Interact & Engage,
Innovate User Experience

2016
Interactive Signage Platform

- Digital Signage Player
- Digital Signage Appliance
- Video Wall Signage Solutions
- Passenger Signage Solutions

www.nexcom.com
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Vertical Industry Applications

Digital Communication Revolution
NEXCOM’s Specialties in Digital Signage Revolution
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Digital Signage Player

Box Player
NDIS 126
NDIS 127
NDIS B115
NDIS B324
NDIS B325
NDIS 166
NDIS 167
NDIS B425
NDIS B532
NDIS B533
NDIS B535
NDIS B842
NDIS B862

OPS Module
NDIS M324
NDIS M335
NDIS M422
NDIS M532 066
NDIS M533 068
NDIS M535 070
AOI PPC & Display
NDIS A322 072
NDIS AC22 074

Digital Signage Player Appliance

Signage Player Appliance
PDSB 115 076
PDSB 127 078
PDSB 166 080
PDSB 166R 082
PDSB 324 084
PDSB 325 086
PDSB 535 088

Digital Bulletin Board
PDSP 2122 090
PDSP 3221 092

Central Management Server Appliance
CMS 1100 094
CMS 2100 096

Video Wall Signage Solutions
PDSB 842 098

Passenger Signage Solutions
PDSB 6210 100
About NEXCOM

Reliable Partner for the Intelligent Solutions

Founded in 1992 and headquartered in Taipei, Taiwan, NEXCOM is committed to being your trustworthy partner in building the intelligent solutions. To surpass customers’ expectations, NEXCOM makes the difference by utilizing its decades of industrial computing experience, a highly talented R&D team, and by providing exceptional levels of customer service. With these core strengths, NEXCOM has enabled its customers to win key projects in a diverse range of industries.

With its focus on delivering these core values to better serve customers, NEXCOM integrates its capabilities and operates six global businesses, which are IoT Automation Solutions (IAS), Intelligent Digital Security (IDS), Internet of Things (IoT), Interactive Signage Platform (ISP), Mobile Computing Solutions (MCS), and Network and Communication Solutions (NCS). This strategic deployment enables NEXCOM to offer time-to-market, time-to-solution products and service without compromising cost.

In addition, the service-to-market business model gives NEXCOM core competence to build a strong world-class service network by providing customized service, global logistics, local access, and real-time support. Operating six subsidiaries, from China, Italy, Japan, Taiwan, the United States, to the United Kingdom, NEXCOM is able to better facilitate customers’ requirements as well as closely work with global partners in different regions.

Partners should also be assured that NEXCOM’s Taiwan based Headquarters and subsidiary offices in China, UK and USA have obtained ISO 9001:2008 Certification.

Corporate Vision

To become the industrial leader in providing intelligent solutions, NEXCOM utilizes its industry leading technology, localized customer support and worldwide logistics services. This will be achieved by:

- Great team work
- Cooperation with trusted partners
- Growth through innovation

Corporate Mission

- An innovative supplier in vertical application markets
- A quality partner in engineering, manufacturing and services

Business Strategy

Aim to better support the activities of all its partners, NEXCOM divides its sales force into six dedicated business units to target rapidly expanding vertical markets. This enhances each business unit concentrating on strategic channel accounts and on repeat order business. Moreover, NEXCOM’s business units have been set up to serve the requirements of key project accounts, where product ODM and project support are frequently required.

NEXCOM is working with embedded computing solution providers to envision new opportunities for growth. We’ll help you deliver reliable vertical solutions, optimized for the next wave of IoT and Industry 4.0 solutions.
Research and Development

Innovation, Quality, Speed and One-stop Service

Over a decade ago, NEXCOM successfully launched the PEAK series of Single Board Computers onto the IPC market, and in doing so, gained a solid reputation for product quality and innovation. In subsequent years, NEXCOM has enhanced its reputation for R&D excellence with a multitude of high-end technology products, which has cemented NEXCOM as one of the industry leaders for R&D and innovation.

The mission of NEXCOM R&D team is to design exceptional products that meet the stringent requirements of today’s global markets. In order to achieve this goal, we have recruited hundreds of talented engineers who have the knowledge and expertise to make NEXCOM’s products stand out in this highly competitive market.

NEXCOM offers solutions for IoT gateway, robot controller, connected cars, Industry 4.0, and industrial security applications. The team is encouraged to “Think with New Ideas” and “Know how to make it and do it right first time”. In addition, NEXCOM’s R&D team has been expanded to over 300 engineers with the ration of software engineers to hardware engineers coming to about 1:1, and remains as one of core competences of the company.

Versatile Design Capabilities

- Ultra small footprint computer-on-module
- High speed networking
- Isolated and non-isolated power system
- Isolated and non-isolated industrial I/O
- Wide range of operating temperature

24/7 Production Line

Optimal Manufacturing Efficiency

The manufacturing of delicate products requires a high-level technology, craftsmanship, standards and time-to-market efficiency. Over years continual investment in advanced manufacturing equipment and systemic training programs has enabled NEXCOM to obtain optimal manufacturing efficiency.

To fulfill the increasing market demand for NEXCOM’s products, the company has opened a 24/7 production line. This investment not only furthers the quality of products, but also reduces production lead-time for all global customers.

Quality Assurance

Under a strict Quality Assurance System, product design and reliability are controlled to support all critical solutions, and ensure Total Quality Assurance (TQA) implementation for all NEXCOM products and service. Furthermore, NEXCOM technical support team aims to provide feedback within 24 hours to ensure technical issues are resolved in the shortest possible time.

Closed-Loop Quality Assurance System
Green Policy
As a global citizen, NEXCOM is committed to providing green products and services, which are compliant with WEEE and RoHS legislation. NEXCOM continues to proactively work with industry peers and suppliers, to clarify standards, and identify compatible technologies and practices that help reduce hazardous substances from our products and manufacturing processes.

Global Fulfillment Service
Product delivery and customer support are always more effective when delivered locally. NEXCOM localizes support and provides a global customer service network to handle all aspects of global business, from presales, order taking, and system assembly to logistics. For expeditious product delivery, NEXCOM has established four regional service centers: Taiwan (for Asia), USA (for North America and South America), the United Kingdom (for Europe) and China. Therefore, NEXCOM customers benefit from quality assured product assembly and four service centers.

NEXCOM has invested heavily to establish operational infrastructures, including advanced equipment and facilities, not only at its global headquarters but also at subsidiary offices. Today, each of our service centers, with ISO 9001:2008 certification, has a purpose built assembly line, RMA/DOA center and warehouse storage capability.
Assembly Line Operation
NEXCOM offers custom-built products based on customers’ specific requirements through the build-to-order services. A dedicated 24/7 assembly line and Quality Assurance System are installed in the services center to ensure exceptional production efficiency and superb product performance and reliability.

Service Pledge and Connection
As a reliable intelligent systems provider for vertical markets, NEXCOM provides the very best products and the most expeditious service to help customers build the digital infrastructure. Comprehensive types of service are provided to promptly satisfy varying requirements. In addition to the headquarters in Taiwan, seven subsidiaries and distributors in strategic worldwide locations are at your service.

Service Types
- Quotation
- Project Consultant
- Technical Support
- Solution Alliance
- RMA/DOA
- Assembly/Test
- Global Logistics
- Customization
- ODM

Your Truly Global Information Resource
www.nexcom.com
www.nexcom.com is your one-stop platform for the latest information on all NEXCOM products and services. The rejuvenated website not only contains product relevant information and data, solutions/products demo, up-to-date news, but incorporates online downloads, publications, and technical service supports, such as RMA/DOA centre. Furthermore to localize service and support, seven NEXCOM sister websites remain to serve visitors in diverse geographical regions.

Get the Latest Updates Anytime, Anywhere
m.nexcom.com
At the end of the year 2011, NEXCOM launches its mobile site, m.nexcom.com. The site aims to cross time and space boundaries by allowing users to access the latest innovation and information of NEXCOM via smartphones. On this website, users will easily find our latest products, news, application stories, white papers, and videos. The mobile site now supports iOS and Android system. Please visit us at m.nexcom.com.
Design and Manufacturing Services (DMS)

Customized Service for Tailor-Made Solutions

NEXCOM provides cost-effective and time-to-market Design and Manufacturing Services (DMS). The DMS offers product customization from core modular designs to finished products based on customers’ specifications in all kinds of industrial field. The levels of the service include manufacturing new CPU boards and system based products to fulfill customers’ unique applications.

Unique DMS Features

With vast experience, the know-how, leading technology and innovative design capabilities, NEXCOM DMS incorporates the following features:

**Prompt Time-to-Market**

NEXCOM possesses a dedicated project management team to monitor and ensure each DMS project is delivered on schedule. Thus, a quick time-to-market solution can be offered with time-scales varying from one-three months for the design phase, with an average six month period from design to market.

**Flexible Design and Manufacturing**

NEXCOM possesses a complete R&D team to design and engineer the latest industrial grade products. As R&D engineers grouped into small cross-functional teams, they can develop more reliable products with flexible designs and quicker response to customers’ requirements. In addition to our R&D capabilities, the state of art manufacturing facility and production lines enables NEXCOM to offer a flexible manufacturing with highly skilled factory staff.

**Rigid Quality Control**

NEXCOM is pledged to deliver high quality products, from design to manufacture, and safeguard against defective products by implementing a rigid Quality Assurance System. In this system, at the end of each process, NEXCOM performs various tests to ensure that the product passes the industrial standard before it enters into next stage. Finally, additional tests are performed to ensure all board and system level products function correctly. Tests include “Failure Mode and Effects Analysis”, “Vibration Test”, “Burn-in Chambers”, “Drop Test”, and “AC Power Source Test”.

**Extensive DMS Experience**

We set higher standards! NEXCOM surpasses your tailor-made product requirements with extensive DMS experiences. We are specialized in X86 architecture and have accumulated invaluable experience and know-how in real working environments. Moreover, with a superb reputation, NEXCOM has under its belt many ODM projects in diverse fields, such as gaming, medical, POS, network security, transportation, marine, blade servers, and Linux BIOS etc.
## Scope of DMS Work

- **Original Design Manufacturing Service (ODMS)**
  NEXCOM offers a complete ODM Service starting from the brand new product design right through to the finished product. We can design products based on the customer’s unique specifications and application requirements.

- **Customization to Order Service (CTOS)**
  NEXCOM also provides CTOS, which is a quick-to-market solution by modifying the existing products to fit your business requirements, such as BIOS setting, component change by using current PCM layout, chassis color change, and packing accessories etc.

## Service of DMS

With decades of industrial computing experience, NEXCOM has the capability to provide different levels of customized service to manufacture innovative products with exceptional high quality. We can assist you to differentiate from competitors, and save significant time and efforts.

<table>
<thead>
<tr>
<th>Level</th>
<th>Description</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Level 1</td>
<td>Logo Re-brand</td>
<td>We provide the service to change the membrane to re-brand the company logo on the front panel. Customers need to provide Membrane drawing with all color pantone number. There is a service charge involved.</td>
</tr>
<tr>
<td>Level 2</td>
<td>Customerized Build</td>
<td>Customers can change the membrane and chassis color to re-brand the packing. NEXCOM can offer dedicated part numbers and BOM. MOQ and service charge are required.</td>
</tr>
<tr>
<td>Level 3</td>
<td>Manufacturing Service</td>
<td>Contract manufacturing. The service scope includes system assembly &amp; burn-in, software loading &amp; testing. MOQ and manufacturing service charge are required.</td>
</tr>
<tr>
<td>Level 4</td>
<td>New Project</td>
<td>The design of new board &amp; system is available. NRE and quantity commitment are required.</td>
</tr>
</tbody>
</table>
Professional Conformal Coating Solution

Get Ruggedized with NEXCOM Cost-Effective Conformal Coating Service for Hash Environment Protection

Prompt Time-to-Market
NEXCOM recognizes the harsh reality that many embedded systems find themselves operating in unusual hostile environments. When conformal coating is required to protect your application against substantial humidity, dust, chemicals or temperature extremes, we can help!

Cost Effective Service to Apply Coating Solution in Vertical Market Segments
In addition to the usual military and harsh industrial environments that demand conformal coating, NEXCOM expand our conformal coating to Vehicle Telematics Computing, outdoor traffic control/surveillance, and off-shore Marine applications. These applications demand embedded computing performance with increased reliability through conformal coating process.

To support a wide range of applications in vertical markets, NEXCOM has engineered a diverse range of platforms, which incorporate the latest.

"State of the Art" Conformal Coating Line
NEXCOM uses automated Conformal Coater equipment for applications that require a high level of accuracy and repeatability in moderate to high volume manufacturing environments. "State of the Art" coating line is a closed-loop robotic platform featuring optical encoder feedback on all axes.

Smart Masking Technology
Our smart masking technology can pin point specific area on the PCBA for coating. The green, programmable conformal coater equipment allow user to only coat the area selected, which save labor/ material costs.
De-Flux Cleaning

To prepare a PCB for conformal coating, the circuits need to be cleaned. NEXCOM uses automatic defluxing and cleanliness testing systems. The deflux system is equipped with an automatic chemical management system that automatically doses and mixes defluxing chemicals at the turn of a keyed switch.

Real Time Cleanliness Testing

NEXCOM’s deflux cleaning system is also equipped with an onboard cleanliness testing system which allows a user to program a desired cleanliness level. This assures that cleanliness levels will be consistent batch after batch.

De-Coating RMA Service

NEXCOM offer De-Coating RMA service upon request. This new service allows you to further cost down and generate higher ROI.

Quality Assurance Policy and Consistency Guarantee

Conformal coating inspection is a critical factor in determining successful coating application and long term reliability of PCBs. Using the IPC standards allows the coating operator to monitor the coating application performance. NEXCOM offers 100% manual screening by examining the PCB under white and UVA light and Thickness Gauge.
Interactive Signage Platform

Digital Communication Revolution

The Most Effective Communication Tool to Target Audience

Digital signage delivers stunning messages to target audience and create experiences that are engaging and compelling, empowering customers to build brand image. Well-designed digital signage can dynamically update its content based on location context, send out real-time information updates over a network connection, engage customers with immersive visuals and interactive features, and provide personalized information and advertisement. Such experience that digital signage brings is influential and many industries including transportation, retail, hospitality, and food service are now showing increasing interest in its deployment.

Embedded Systems Tailored to Improve Digital Communications

To cope with the growing demand, NEXCOM, with decades of solid experience in industrial computing, is dedicated to providing industrial-grade and high-performance digital signage players. NEXCOM offers a full range of digital signage players to address various requirements for digital signage applications, covering from cost-effective, low-power consumption, entry-level yet powerful media players, to high-end media players with multi-display, video wall applications.

Value Proposition

Digital signage technology and its supportive infrastructures have grown mature throughout the years with more and more signage applications integrated into our daily lives. Contents such as advertising, branding, product information, live messages, and realtime multimedia broadcasting have given us an enriched digital experience. Interactive signage, on the other hand, has provided responsive engagement which further enhancing user experiences. Soon, supportive IoT infrastructures will bring in new connected experiences where signage across various industries can connect with nearby smart devices and offer a new level of personalized interactions.

NEXCOM provides advanced digital signage solutions with new product service models, ranging from single-product designs to complete enterprise solutions that fit customers’ business scenarios and usage. To achieve this, NEXCOM’s product design focuses on the following:

Industrial-grade Reliability

The NDiS series of digital signage players are designed with industrial components, ruggedized and vandal-proof constructions that can withstand environmental variations including wide temperatures and other hazardous factors, reducing the maintenance uncertainty.

Optimized Price-Performance

The NDiS series comes in entry-level to high-performance fanless models with an abundant choice. With models supporting single display to multiple displays at 4K resolution as well as models designed for OPS displays, the NDiS series can adapt to any application requirements and accelerate playbacks for various media formats with best price-performance values.

Integration and Longevity

Highly-integrated and miniature designs in slim and compact dimensions allow easy integration with large display devices, along with reduced deployment and cabling costs. The product design also includes the support for legacy I/O interfaces so that customers can retain and reuse their legacy infrastructures. Furthermore, long product lifecycles and strict revision control policies are in place to eliminate software compatibility hassles.

Application Scenario

A digital signage system consisting of media players, displays, and content servers connected together can provide great flexibility to deliver stunning messages to target audience at the right time and place. Compared to static signs, digital signage can showcase dynamic information with digital content that can be easily managed and updated remotely. Digital signage has been widely adopted in many applications. NEXCOM’s target markets cover retails, quick service restaurants, transportation, and hospitality.
Digital signage is everywhere, from indoor to outdoor, from restaurants to factories, from bus stations to running vehicles. However, digital signage will face various challenges in different applications. There is no single machine that fits all applications.

Ruggedize for 24/7 Operations

NEXCOM NDiS digital signage players are specifically designed for various digital signage applications. In harsh outdoor environments, digital signage players need to operate under extreme temperatures and dusty environments. Technologies applied to extend the MTBF (Mean Time Between Failure) will greatly decrease repair time and reduce maintenance costs. The NDiS fanless player adopts state-of-the-art fanless technology to avoid the use of legacy fan system, thus eliminating the chance of fan failure after running for certain period of time. The NDiS fanless player is also water- and dust-resistant, and able to survive in wide temperature environments.

Digital signage is surely not only for advertisement, but also improving shopping experience, keeping customer loyalty, changing buying behavior, enhancing company brand and image. It’s all about the customer experience. Great experiences keep customers coming back again and again. SMB owners can interact with their customers whether they are in the store, on the website, or on a mobile device. It’s always challenging to have a total view of customers and provide them with a seamless experience. But when implemented correctly, technology can surprise and delight your customers.

With the help of various sensor networks, store owners can push near field messages to mobile devices and collect accurate buying behavior. Not to mention IoT (Internet of Things) is going to totally change the outlook of digital signage. In the future, digital signage will have to interact with all types of products. As the digital signage industry continues to grow, the single screen with text, images and movie content will start to become “old hat.” New eras of communication between these new products, digital signage, mobile and wearable technologies with the physical environment will be paramount.

NDC’s rich I/O ports simplify integration with location, communication, and sensor technologies. With BYOD, NEXCOM NDiS digital signage players offer uncomromised reliability to ensure 24/7 operation.

Thermal design
Fanless design
Water and dust-resistant
Wide operating temperature
Low power consumption

NCE rich I/O ports simplify integration with location, communication, and sensor technologies. With BYOD, NEXCOM NDiS player creates personalized information and experience.

**Focus Thorough Detailing**

The world we live will become a global network of computers, data, sensors, cameras, databases, devices, and virtual artifacts all communicating to impact our daily lives. We are in a prime position to embrace this technological rise and extend applications further to provide truly unique and groundbreaking solutions connecting digital signage as a critical IoT element.

During this tremendous transition, NEXCOM plays a role to provide the best solution to all customers. From head to tail, NEXCOM overlooks every detail, thoroughly from design, test, and implementation to refine, integrate, and analyze our solutions. The ultimate goal is to make sure 100 percent satisfaction from customers.
Responsive stores cover all aspects of shopping experience from entrance to exit. They can be divided into digital shopping carts, digital shelf management system, in-store intelligent video system, virtual fitting rooms, and experience centers.

Responsive Stores: Win-wins for Retailers & Customers

Digital shopping carts provide personal shopping services such as style advice, product search, and wine recommendations. If customers have questions, these carts can show detailed product information with augmented reality technologies or connect to customer service centers. In addition, they can automatically scan and check out items in carts, shortening customers’ queue time.

Retailers can use electronic shelf labels to keep product information up to date and make minute-by-minute pricing changes based on price comparison information. Also, digital shelf management system can connect to enterprise resource planning software (ERP) and automatic replenishment system. When shelves run low, products can be automatically restocked without interrupting customers, thus delivering a more comfortable environment.

Informative and Thorough Shopping Experience

Integrated with cameras and sensors, the in-store intelligent video system can collect customer traffic flow and shopping behaviors for further analysis. With the system, retailers can identify hot shelf zones and eye-gazed product features for improved shelf layout and product design. Also, the system can greet visitors, identify customer groups, and deliver advertisements relevant to customers.

Virtual fitting rooms enable customers to try on clothes to check size and style virtually. Using 3D scanning, depth-sensing, and virtual reality, the latest virtual fitting rooms can convert the 2D front view into unprecedented immersive 3D experiences, allowing customers to visualize how apparel would look on them in every direction. They can even upload these fitting photos for peer feedback via social network. This 360-degree perspective can also be applied to furniture stores and car dealers for previewing interior design.

Retailers can establish digital experience between checkout counters and the exit. The digital-signage-enabled space can bring premium services and customer interactions to reinforce brand image and perform customer satisfaction analysis.

Integrates Bricks with Clicks

Online shops still need the final piece of the puzzle to create physical interactions between customers and products and to enhance branding. Responsive store can bring eCommerce advantages into physical stores, closing the gap between online and in-store experiences. The format of responsive stores continues evolving with technological advancement and customer behavior changes. The future of retail stores relies on retailers and system providers together.

Successful Factors

Retailers can exploit NEXCOM’s solutions and build responsive stores to achieve the following objectives.

1. Attract customers’ attention with rich media to bring traffic into retail stores.
2. Engage customers’ interests with information and responsive digital experience.
3. Trigger buying action with relevant and real-time promotion to gain customer insight and intimacy.
4. Retain customer loyalty with intelligent video system.

NEXCOM’s Strengths

With years of experience in industrial grade quality, NEXCOM can offer reliability for retail applications with wide range portfolio and high-quality service offerings.

1. Full range and solid building blocks to help customer reshaping legacy brick-and-mortar stores to responsive stores.
2. Flexible customization service to align responsive store solution and versatile customers need.
3. Quick time-to-market turnkey solution

NEXCOM Fuses Digital & Physical Retail with Responsive Store Solutions

Responsive stores cover all aspects of shopping experience from entrance to exit. They can be divided into digital shopping carts, digital shelf management system, in-store intelligent video system, virtual fitting rooms, and experience centers.
Bring Convenient QSR Dining Experience with Digital Signage

More and more quick service restaurant (QSR) operators are considering implementing digital signage to enhance customer engagement, convey brand messages, simplify the ordering process, and make inventory management more effectively. As customers walk into QSRs, they expect to know the latest promotions on digital menu boards and self-service kiosks. Going digital has enabled operators to change menu items and prices easily, not to mention more eye-catching displays than static menu boards. Also, when it comes to drive-thru menu boards, it presents a great opportunity to inform customers of everyday offerings and share the latest promotions. The pre-sell menu boards and order confirmation systems improve the order accuracy and efficiency at QSRs.

Successful Factors

With over 20 years of experience in the industrial computing, NEXCOM specializes in fanless, industrial-grade systems supporting wide-temperature applications that can be applied to drive-thru applications. Moreover, NEXCOM’s fanless and industrial-grade aluminum chassis designs provide the reliability in both indoor and outdoor environments, accommodating variable weather conditions and harsh outdoor environments. For instance, when used indoors, the fanless design helps to prevent grease and dirt accumulation commonly associated in high-temperature, fast food stores.

NEXCOM also provides solutions for wide-temperature outdoor applications that are capable of operating the pre-sell menu boards under extreme weather conditions. For enhanced customer experience, NEXCOM offers a cutting-edge solution integrated with facial recognition software, allowing the system to offer customer’s favorite menu, improve customer satisfaction, and create the interactive dining experience.

NEXCOM’s Strengths

NEXCOM’s digital signage solutions target QSRs with easy maintenance and cost efficiency to improve productivity and efficiency; this ultimately improves revenue and return on investment (ROI) for businesses. NEXCOM’s managed digital signage network gives operators the flexibility and simplicity to control individual display, or as a tiled video wall from a centralized server. Furthermore, NEXCOM digital signage solutions come with standard 2 year warranty and optional extended warranty for up to 5 years. As a global company, NEXCOM can provide the necessary technical support from global software partners and installers with total solutions that benefit businesses across the board.
Maximize Transit Revenue with Real-time Infomercial Exposure

In recent years, digital signage is becoming more prevalent in transport industry and is considered as an effective tool to manage passengers flow. Not only crucial information can be delivered to passengers in real-time via digital signage, it also generates substantial revenue for transport operators as well as advertisement agencies.

At airport, train station or bus stop, digital signage improves travel experience by serving a variety of functions including time table display, service status, public announcement, and way-finding. To operators, centralized digital screens would enable them to manage traffics within terminals more effortlessly and guide passengers to their destination dynamically. Moreover, with aid of the cutting-edge technology from graphics and Ultra HD (4K2K), eye-catching displays help to attract audiences’ attention and boost sales from the advertisement.

Successful Factors

In mission critical applications such as FIDS and PIDS, system reliability is the key to keep up service consistency and reduce maintenance effort to minimum. Centralized and proactive hardware remote monitoring technology like Intel® Active Management Technology (iAMT) could significantly minimize system downtime and accomplish faster, more effective response to failure call. Furthermore, to avoid interruption in daily operation, there is increasing trend to adopt modulized OPS (Open Pluggable Specification) to facilitate maintenance as well as to enable hassle free deployment.

Not limited to indoor uses, digital signage also increases its presence in semi-outdoor, and even outdoor condition. At bus stop, passenger information display systems (PIDS) present not only real-time information such as arrival schedule for passengers, but also serves as public bulletin boards to deliver public announcements and much more.

In mobile carriers like bus or train, it is mandatory for systems to withstand severe temperature variation from day to night and in the same time, robust enough to counteract vibration along the journey. On top of it, ability to access Wi-Fi/3G/4G connectivity is equally important and essential for real-time data transmission.

Again, to accommodate to harsh outdoor operating conditions at bus stops, system’s capability to operate under high temperature condition must be addressed strongly.

NEXCOM’s Strengths

Catering to fast growing demand for reliable, market-proven digital signage solutions for transportation applications, NEXCOM runs dedicated teams from mechanical design, software programming to technical support to serve the industry seamlessly, not to mention ruggedized, fanless industrial design for improved durability to fit into indoor and outdoor environments. Rich I/O ports are equipped for smooth integration with LCD displays as well as external devices. Moreover, in response to the need for centralized hardware management in large scale deployment, iAMT & DASH remote monitoring features are available in NEXCOM platforms, with which customers can integrate to their existing or new central management backend with the development kit provided.

Last but not least, with vision to provide end-to-end digital signage solutions to transport industry, NEXCOM does not merely serve as a hardware platform manufacturer, but also provides bundled turnkey solutions to achieve quick deployment for operators in each specific transport sectors.
Successful Factors

The use of digital signage in hotels is to guide the guest in unfamiliar locations, therefore requiring clear, captivating displays with high resolution to catch guests’ attention. Ultra HD (4K/2K) resolution video streams not only present information smoothly and clearly, but also contribute to hotel atmosphere with a sense of relaxation and elegance.

For sophisticated hotel decoration, the digital signage system should be compact size in order to fit or hide into walls easily without contradicting the decoration. The reliability and effortless maintenance of digital signage are a must. Besides sleek signage display, self-service touchscreen feature allows hotel guests to access information more conveniently, reducing waiting time from reception desk. More and more hotel guests are engaged to use interactive kiosk and touchscreen technology for enhanced user experience.

NEXCOM’s Strengths

Answering to the guest-centric requirement from hospitality market, NEXCOM, with profound experience and knowledge in embedded computing industry for more than 20 years, makes it easy for hospitality venue owners to establish an affordable signage network across multiple facilities with reliable performance and minimum maintenance labor. Moreover, NEXCOM digital signage system features powerful transmission capability with compact design and rich I/O interface, interactive kiosk and many extra add-on devices supporting variable hotel digital signage applications.

NEXCOM signage system acts as a communication backbone which enables information visualization. Guests can simply access to all kinds of up-to-date information efficiently and effectively from NEXCOM empowered high resolution multimedia contents or touch screen assisted self-service facilities. NEXCOM multiple display signage players allow the realization of enchanting video wall advisement concept. Overall, it is cost effective and ideal to deploy NEXCOM digital signage system for balance of hotel operation and business benefits, contributing a memorable hotel guest experience, and potential revenue streams from successful advertisements.
# Product Selection Guide

Users can find the best suitable model for their own applications based on these four steps.

**Confirm Scale for Applications**
Small scale digital signage with one to three monitors can meet general advertising or promotional displays. Mid-to-large projects may require video walls with multiple displays to boost engagement with reinforced messages.

**Define Applied Scenarios**
Superb graphics and computing powers add extra values to entry-, middle-, and high-end markets such as remote update for simplified management, proof of view for marketing measurement, consumer behavior analysis for personalized ads, and business intelligence for optimized operations.

**Choose Output Interfaces**
With numerous interfaces available in the market including HDMI, VGA, DVI, and DisplayPort, be sure to choose equivalent, future-proof, or unified interfaces for simplified system integration or upgrade.

**Examine Setup Environments**
Since applied environments vary from embedded systems to semi-outdoor usage, users can rely on fanless models to avoid dust accumulation with enhanced heat dissipation.

<table>
<thead>
<tr>
<th>Number of Display Outputs</th>
<th>Graphics Interface Performance</th>
<th>HDMI</th>
<th>DP</th>
<th>VGA</th>
<th>DVI</th>
<th>Recommended Model</th>
<th>Thermal Management</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>ARM</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td>NDIS B115</td>
<td>Fanless</td>
</tr>
<tr>
<td></td>
<td>Atom™</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td>NDIS 126</td>
<td>Fanless</td>
</tr>
<tr>
<td>2</td>
<td>Atom™</td>
<td>1</td>
<td>1</td>
<td></td>
<td></td>
<td>NDIS 126V, NDIS 127</td>
<td>Fanless</td>
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# Product Selection Table

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<td>Intel® Celeron® N3150</td>
<td>AMD G-series T56N</td>
<td>2nd/3rd Generation Intel® Core™ i3-4100/4100E/i7-4700EQ</td>
<td>4th Generation Intel® Core™ i5-6440EQ/6440EQ/i7-4700EQ</td>
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<td>DDR3 SO-DIMM, up to 4GB</td>
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<td>2 x HDMI, 1 x TMDS (via JAE connector)</td>
<td>1 x HDMI, 1 x TMDS (via JAE connector)</td>
<td>1 x HDMI, 1 x TMDS (via JAE connector)</td>
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<td>1920 x 1080</td>
<td>1920 x 1080</td>
<td>3840 x 2160</td>
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<td><strong>Video Capability</strong></td>
<td>Hardware Decode: MPEG2/4, VC1, H.264, VP8</td>
<td>Hardware Decode: MPEG1, MPEG2, VP8, VP8</td>
<td>Hardware Decode: MPEG1, MPEG2, VP8, HC1, H.264</td>
<td>Hardware Decode: MPEG1, MPEG2, VC1, H.264</td>
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<td>Hardware Decode: MPEG2, VC1, H.264</td>
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<td><strong>Audio Output</strong></td>
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<td>1 x Mic-in, 1 x Line-out, 1 x Line-out (via JAE connector)</td>
<td>1 x Line-in, 1 x Line-out, 1 x Line-out (via JAE connector)</td>
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<td>1 x TX/RX (via JAE connector)</td>
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<td>1 x TX/RX (via JAE connector)</td>
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<td>1 x Mini-Pcie</td>
<td>2 x Mini-Pcie</td>
<td>1 x Mini-Pcie</td>
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<td><strong>Power Type</strong></td>
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<td>12-19V DC (via JAE connector)</td>
<td>12-19V DC (via JAE connector)</td>
<td>12-19V DC (via JAE connector)</td>
<td>12-19V DC (via JAE connector)</td>
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<td><strong>Dimension (mm)</strong></td>
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<td>200 x 119 x 30</td>
<td>200 x 119 x 30</td>
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<th>NDis 126</th>
<th>NDis 127</th>
<th>NDis B324</th>
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<td><strong>CPU</strong></td>
<td>Rockchip RK3288</td>
<td>Intel® Atom™ D2550</td>
<td>AMD G-series TS6</td>
<td>Intel® Celeron® J1800</td>
<td>Intel® Celeron® N3150</td>
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<td>Intel® AMD A55E</td>
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<td><strong>Graphic</strong></td>
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<td>Intel® GMA 3650</td>
<td>ATI HD632D</td>
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<td>x1, 10 / 100 / 1000 Mbps</td>
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<td>1920 x 1080</td>
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<td>NDIS 166</td>
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### AIO PPC & Display

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<td>VESA/Vehicle mount (Optional)</td>
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<td>DC 9V to 36V</td>
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<td>CPU</td>
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<td>Memory</td>
<td>DDR3L SO-DIMM, up to 4GB</td>
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<tr>
<td>Storage interface</td>
<td>1 x 2.5” SSD, 1 x mSATA</td>
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<td>USB</td>
<td>2 x USB 2.0</td>
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<td>COM</td>
<td>1 x COM</td>
<td>N/A</td>
</tr>
<tr>
<td>Ethernet</td>
<td>1 x 10/100/1000Mbps</td>
<td>N/A</td>
</tr>
<tr>
<td>Audio</td>
<td>2W speaker x 2</td>
<td>N/A</td>
</tr>
<tr>
<td>Expansion</td>
<td>1 x Mini-PCIe (Full) 1 x Mini-PCIe (Half)</td>
<td>N/A</td>
</tr>
<tr>
<td>Certification</td>
<td>CE, FCC Class A, E13</td>
<td>CE, FCC Class A, E13</td>
</tr>
<tr>
<td>Operation Temperature</td>
<td>-40°C to 60°C</td>
<td>-40°C to 60°C</td>
</tr>
<tr>
<td>OS Support</td>
<td>Win7/Win8/WEBS/Linux</td>
<td>N/A</td>
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### Video Wall Player

<table>
<thead>
<tr>
<th>Model</th>
<th>NDiS B842</th>
<th>NDiS B862</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPU</td>
<td>AMD R-series Dual/ Quad Cord</td>
<td>AMD R-series Dual/ Quad Cord</td>
</tr>
<tr>
<td>Chipset</td>
<td>AMD 70M</td>
<td>AMD 70M</td>
</tr>
<tr>
<td>Graphic</td>
<td>AMD Radeon™ E6760</td>
<td>AMD Radeon™ E6760</td>
</tr>
<tr>
<td>RAM</td>
<td>2 x DDR3 SO-DIMM, up to 16GB</td>
<td>2 x DDR3 SO-DIMM, up to 16GB</td>
</tr>
<tr>
<td>LAN</td>
<td>x2, 10/100/1000Mbps</td>
<td>x2, 10/100/1000Mbps</td>
</tr>
<tr>
<td>Hard Disk</td>
<td>1 x 2.5” SATA</td>
<td>1 x 2.5” SATA</td>
</tr>
<tr>
<td>Flash Storage</td>
<td>SATA DOM</td>
<td>SATA DOM</td>
</tr>
<tr>
<td>Video Output</td>
<td>4 x HDMI</td>
<td>6 x HDMI</td>
</tr>
<tr>
<td>Display Resolution</td>
<td>1920 x 1080</td>
<td>1920 x 1080</td>
</tr>
<tr>
<td>Output Channel</td>
<td>4 Independent, Expanded or Clone</td>
<td>6 Independent, Expanded or Clone</td>
</tr>
<tr>
<td>Video Capability</td>
<td>Hardware Decode: MPEG1, MPEG2, VC1, H.264</td>
<td>Hardware Decode: MPEG1, MPEG2, VC1, H.264</td>
</tr>
<tr>
<td>Audio Output</td>
<td>1 x S/PDIF, 1 x Line-in, 1 x Line-out</td>
<td>1 x S/PDIF, 1 x Line-in, 1 x Line-out</td>
</tr>
<tr>
<td>TV Tuner</td>
<td>Optional</td>
<td>Optional</td>
</tr>
<tr>
<td>RS-232</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>USB 2.0</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>USB 3.0</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Expansion Slot</td>
<td>2 x Mini-PCIe</td>
<td>2 x Mini-PCIe</td>
</tr>
<tr>
<td>Power Type</td>
<td>12V</td>
<td>12V</td>
</tr>
<tr>
<td>Dimension (mm)</td>
<td>280 x 230 x 44</td>
<td>280 x 230 x 44</td>
</tr>
<tr>
<td>OS Support</td>
<td>Win7/WEBS/Linux</td>
<td>Win7/WEBS/Linux</td>
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# Digital Signage Appliance

<table>
<thead>
<tr>
<th>Model</th>
<th>PDSB 115</th>
<th>PDSB 127</th>
<th>PDSB 324</th>
<th>PDSB 325</th>
<th>PDSB 166</th>
<th>PDSB 166R</th>
<th>PDSB 535</th>
</tr>
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<tbody>
<tr>
<td><strong>Storage</strong></td>
<td>16G eMMC Flash</td>
<td>320GB HDD</td>
<td>320GB HDD</td>
<td>320GB HDD</td>
<td>320GB HDD</td>
<td>320GB HDD</td>
<td>320GB HDD</td>
</tr>
<tr>
<td><strong>LAN</strong></td>
<td>1 x 10/100/1000Mbps</td>
<td>1 x 10/100/1000Mbps</td>
<td>1 x 10/100/1000Mbps</td>
<td>1 x 10/100/1000Mbps</td>
<td>1 x 10/100/1000Mbps</td>
<td>2 x 10/100/1000Mbps</td>
<td>10/1000Mbps</td>
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<tr>
<td><strong>WLAN</strong></td>
<td>802.11 b/g/n and Bluetooth 4.0</td>
<td>Optional</td>
<td>Optional</td>
<td>Optional</td>
<td>Optional</td>
<td>Optional</td>
<td>Optional</td>
</tr>
<tr>
<td><strong>Video Output</strong></td>
<td>1 x HDMI</td>
<td>1 x VGA, 1 x HDMI</td>
<td>1 x VGA, 1 x HDMI</td>
<td>1 x VGA, 1 x HDMI</td>
<td>1 x VGA, 1 x HDMI</td>
<td>1 x VGA, 1 x HDMI</td>
<td>3 x HDMI</td>
</tr>
<tr>
<td><strong>Display Resolution</strong></td>
<td>4K2K</td>
<td>1920 x 1080</td>
<td>1920 x 1080</td>
<td>4K2K</td>
<td>1920 x 1080</td>
<td>1920 x 1080</td>
<td>4K2K</td>
</tr>
<tr>
<td><strong>Output Channel</strong></td>
<td>2 Independent, Expanded or Clone</td>
<td>2 Independent, Expanded or Clone</td>
<td>2 Independent, Expanded or Clone</td>
<td>2 Independent, Expanded or Clone</td>
<td>2 Independent, Expanded or Clone</td>
<td>3 Independent, Expanded or Clone</td>
<td></td>
</tr>
<tr>
<td><strong>Video Capability</strong></td>
<td>Hardware Decode: HEVC/H.265, H.264, MPEG1/2/4, VC1, VP8, Quality: 1 x 4K2K</td>
<td>Hardware Decode: HEVC/H.265, H.264, MPEG1/2/4, VC1, VP8, Quality: 1 x 1080p or 2 x 720p</td>
<td>Hardware Decode: HEVC/H.265, H.264, MPEG1/2/4, VC1, VP8, Quality: 1 x 4K2K or 2 x 720p</td>
<td>Hardware Decode: HEVC/H.265, H.264, MPEG1/2/4, VC1, VP8, Quality: 1 x 1080p or 2 x 720p</td>
<td>Hardware Decode: HEVC/H.265, H.264, MPEG1/2/4, VC1, VP8, Quality: 1 x 1080p or 2 x 720p</td>
<td>Hardware Decode: HEVC/H.265, H.264, MPEG1/2/4, VC1, VP8, Quality: 1 x 1080p or 2 x 720p</td>
<td>4K2K Raster Image with Advanced Transition/Animated Effect</td>
</tr>
<tr>
<td><strong>Graphic Capability</strong></td>
<td>4K2K Raster Image with Advanced Transition/Animated Effect</td>
<td>1920 x 1080 Raster Image with Advanced Transition/Animated Effect</td>
<td>1920 x 1080 Raster Image with Advanced Transition/Animated Effect</td>
<td>4K2K Raster Image with Advanced Transition/Animated Effect</td>
<td>1920 x 1080 Raster Image with Advanced Transition/Animated Effect</td>
<td>1920 x 1080 Raster Image with Advanced Transition/Animated Effect</td>
<td>4K2K Raster Image with Advanced Transition/Animated Effect</td>
</tr>
<tr>
<td><strong>Audio Output</strong></td>
<td>1 x Line-Out, 1 x Mic-in</td>
<td>1 x Line-out, 1 x Mic-in</td>
<td>1 x Line-out, 1 x Mic-in</td>
<td>1 x Line-out, 1 x Mic-in</td>
<td>1 x Line-out, 1 x Mic-in</td>
<td>1 x Line-out, 1 x Mic-in</td>
<td>1 x Line-out, 1 x Mic-in</td>
</tr>
<tr>
<td><strong>TV Tuner</strong></td>
<td>Optional</td>
<td>Optional</td>
<td>Optional</td>
<td>Optional</td>
<td>Optional</td>
<td>Optional</td>
<td>Optional</td>
</tr>
<tr>
<td><strong>RS232</strong></td>
<td>N/A</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>2</td>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td><strong>USB 2.0/3.0</strong></td>
<td>2 x USB 2.0</td>
<td>4 x USB 2.0</td>
<td>3 x USB 2.0</td>
<td>1 x USB 3.0</td>
<td>2 x USB 2.0</td>
<td>4 x USB 3.0</td>
<td>4 x USB 2.0</td>
</tr>
<tr>
<td><strong>Power Type</strong></td>
<td>5V DC</td>
<td>12V DC</td>
<td>19V DC</td>
<td>19V DC</td>
<td>12V DC</td>
<td>12V DC</td>
<td>12V DC</td>
</tr>
<tr>
<td><strong>Dimension (mm)</strong></td>
<td>118 x 101 x 23.6</td>
<td>185 x 147 x 48.4</td>
<td>180 x 150 x 25</td>
<td>226.34 x 147.4 x 29</td>
<td>250 x 194 x 40</td>
<td>250 x 194 x 40</td>
<td>294 x 198 x 52</td>
</tr>
<tr>
<td><strong>Content Support</strong></td>
<td>Video, Image, Flash, RSS News, Web URL, Scrolling Text, Live TV</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Multimedia Format Support</strong></td>
<td>Video: HEVC/H.265, H.264, MPEG1/2/4, VC1, VP8, AVS, MVC, Audio: AAC, MP3, Graphic: JPG, BMP, PNG, ICO, ICP, GIF, TIFF, WMF</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Streaming Protocol Support</strong></td>
<td>http, mms, udap, rtsp, iptv</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Max.Number of Zones</strong></td>
<td>4</td>
<td>9</td>
<td>9</td>
<td>9</td>
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<td>9</td>
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</table>
## Product Selection Table

### Central Management Server Appliance

<table>
<thead>
<tr>
<th>Model</th>
<th>CMS 1100</th>
<th>CMS 2100</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Storage</strong></td>
<td>320GB HDD</td>
<td>320GB HDD</td>
</tr>
<tr>
<td><strong>LAN</strong></td>
<td>x4, 10/100/1000Mbps</td>
<td>x8, 10/100/1000Mbps</td>
</tr>
<tr>
<td><strong>WLAN</strong></td>
<td>Optional</td>
<td>Optional</td>
</tr>
<tr>
<td><strong>RS232</strong></td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>USB 2.0</strong></td>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td><strong>Power Type</strong></td>
<td>12V DC</td>
<td>110 – 240V AC</td>
</tr>
<tr>
<td><strong>Dimension (mm)</strong></td>
<td>272 x 195 x 44</td>
<td>430 x 400 x 44</td>
</tr>
<tr>
<td><strong>Max. Number of Zones</strong></td>
<td>100</td>
<td>250</td>
</tr>
<tr>
<td><strong>Player Device Management</strong></td>
<td>Add/Remove/ Edit player or player group Start/ Stop/Pause presentation Player/ Player Group power off/reset</td>
<td>Add/Remove/ Edit player or player group Start/ Stop/Pause presentation Player/ Player Group power off/reset</td>
</tr>
<tr>
<td><strong>Presentation Distribution</strong></td>
<td>Player or Player Group</td>
<td>Player or Player Group</td>
</tr>
<tr>
<td><strong>Presentation Schedule</strong></td>
<td>Player or Player Group</td>
<td>Player or Player Group</td>
</tr>
<tr>
<td><strong>Content Management</strong></td>
<td>Player or Player Group</td>
<td>Player or Player Group</td>
</tr>
<tr>
<td><strong>Emergency Message</strong></td>
<td>Player or Player Group</td>
<td>Player or Player Group</td>
</tr>
<tr>
<td><strong>Management UI</strong></td>
<td>Web</td>
<td>Web</td>
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</table>

### Vehicle Signage Appliance

<table>
<thead>
<tr>
<th>Model</th>
<th>PDSB 6210</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Storage</strong></td>
<td>320GB HDD</td>
</tr>
<tr>
<td><strong>LAN</strong></td>
<td>1 x 10/100/1000Mbps</td>
</tr>
<tr>
<td><strong>WLAN</strong></td>
<td>Optional</td>
</tr>
<tr>
<td><strong>WWLAN</strong></td>
<td>3 SIM cards + 2 WWAN modules support</td>
</tr>
<tr>
<td><strong>Video Output</strong></td>
<td>2 x VGA, 1 x DP Port</td>
</tr>
<tr>
<td><strong>Display Resolution</strong></td>
<td>1920 x 1080</td>
</tr>
<tr>
<td><strong>Output Channel</strong></td>
<td>2 Independent or Clone</td>
</tr>
<tr>
<td><strong>Video Capability</strong></td>
<td>Hardware Decode: H264, MPEG2, VC1, VP8 Quality: 1 x 1080p or 2x 720p</td>
</tr>
<tr>
<td><strong>Graphic Capability</strong></td>
<td>1920 x 1080 Raster Image with Advanced Transition/Animated Effect</td>
</tr>
<tr>
<td><strong>Audio Output</strong></td>
<td>1 x Line-out, 1 x Mic-in</td>
</tr>
<tr>
<td><strong>TV Tuner</strong></td>
<td>Optional</td>
</tr>
<tr>
<td><strong>GPS</strong></td>
<td>Build-in</td>
</tr>
<tr>
<td><strong>RS232</strong></td>
<td>2</td>
</tr>
<tr>
<td><strong>RS485</strong></td>
<td>1</td>
</tr>
<tr>
<td><strong>USB 2.0</strong></td>
<td>4</td>
</tr>
<tr>
<td><strong>Power Type</strong></td>
<td>Wide Range DC Input from 8~60V</td>
</tr>
<tr>
<td><strong>Dimension (mm)</strong></td>
<td>260 x 176 x 50</td>
</tr>
<tr>
<td><strong>Content Support</strong></td>
<td>Video, Image, Flash, RSS News, Web URL, Scrolling Text, Live TV</td>
</tr>
<tr>
<td><strong>Multimedia Format Support</strong></td>
<td>Video: MPEG 1/2/4, AVI, WMV, DivX, XVID, VOB, MOV VC-1, H.264, rm, rmvb Audio: MIDI, MPEG-1-Audio LayerI(MP2), mp3, SND, M4A, AAC, wav, wma, ogg, ra Flash: SWF, FLV Graphic: JPEG, BMP, PNG, ICO, ICP, GIF, TIFF, WMF</td>
</tr>
<tr>
<td><strong>Streaming Protocol Support</strong></td>
<td>http, mms, tcp, rtp, rtsp, IPTV</td>
</tr>
<tr>
<td><strong>Max. Number of Zones</strong></td>
<td>9</td>
</tr>
<tr>
<td><strong>Software Package</strong></td>
<td>PowerDigiS V2</td>
</tr>
<tr>
<td><strong>Management UI</strong></td>
<td>Web</td>
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### AIO Signage

<table>
<thead>
<tr>
<th>Model</th>
<th>PDSP 2122</th>
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<tbody>
<tr>
<td>Storage</td>
<td>320GB HDD</td>
</tr>
<tr>
<td>LAN</td>
<td>1 x 10/100/1000Mbps</td>
</tr>
<tr>
<td>WLAN</td>
<td>Optional</td>
</tr>
<tr>
<td>Video Output</td>
<td>1 x VGA, 1 x HDMI</td>
</tr>
<tr>
<td>LCD Size</td>
<td>21.5&quot; 16:9</td>
</tr>
<tr>
<td>Display Resolution</td>
<td>1920 x 1080</td>
</tr>
<tr>
<td>Pixel Pitch</td>
<td>0.248mm (H) x 0.248mm (V)</td>
</tr>
<tr>
<td>Luminance</td>
<td>400 cd/m²</td>
</tr>
<tr>
<td>Contrast Ratio</td>
<td>3000</td>
</tr>
<tr>
<td>Viewing Angle</td>
<td>89 (U), 89 (D), 89 (L), 89 ®</td>
</tr>
<tr>
<td>Response Time</td>
<td>5 ms</td>
</tr>
<tr>
<td>Output Channel</td>
<td>2 Clone</td>
</tr>
<tr>
<td>Video Capability</td>
<td>Hardware Decode: MPEG1, MPEG2, VC1, H.264 Quality: 1 x 1080p or 2 x 720p</td>
</tr>
<tr>
<td>Graphic Capability</td>
<td>1920 x 1080 Raster Image with Advanced Transition/Animated Effect</td>
</tr>
<tr>
<td>Audio Output</td>
<td>1 x Line-in; 1 x Line-out; 1 x Mic-in</td>
</tr>
<tr>
<td>TV Tuner</td>
<td>Optional</td>
</tr>
<tr>
<td>RS-232</td>
<td>2</td>
</tr>
<tr>
<td>USB 2.0</td>
<td>4</td>
</tr>
<tr>
<td>Power Type</td>
<td>12V – 30V DC</td>
</tr>
<tr>
<td>Dimension (mm)</td>
<td>506.4 x 302.4 x 63.3</td>
</tr>
<tr>
<td>Touch Screen</td>
<td>5-wire Resistive</td>
</tr>
<tr>
<td>Content Support</td>
<td>Video, Image, Flash, RSS News, Web URL, Scrolling Text, Live TV</td>
</tr>
<tr>
<td>Streaming Protocol Support</td>
<td>http, mms, udp, rtp, rtsp, IPTV</td>
</tr>
<tr>
<td>Max. Number of Zones</td>
<td>9</td>
</tr>
<tr>
<td>Software Package</td>
<td>PowerDigiS V2</td>
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<tr>
<td>Management UI</td>
<td>Web</td>
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### Video Wall

<table>
<thead>
<tr>
<th>Model</th>
<th>PDSB 842</th>
</tr>
</thead>
<tbody>
<tr>
<td>Storage</td>
<td>320GB HDD</td>
</tr>
<tr>
<td>LAN</td>
<td>1 x 10/100/1000Mbps</td>
</tr>
<tr>
<td>WLAN</td>
<td>Optional</td>
</tr>
<tr>
<td>Video Output</td>
<td>4 x HDMI</td>
</tr>
<tr>
<td>Display Resolution</td>
<td>5760 x 1080/1920 x 3240</td>
</tr>
<tr>
<td>Output Channel</td>
<td>3 Clone or 1 x 3, 3 x 1</td>
</tr>
<tr>
<td>Video Capability</td>
<td>Hardware decode: MPEG1, MPEG2, VC1, H.264 Quality: 4 x 1080p or 6 x 720p</td>
</tr>
<tr>
<td>Graphic Capability</td>
<td>4 x 1920 x 1080 Raster Image with Advanced Transition/Animated Effect</td>
</tr>
<tr>
<td>Audio Output</td>
<td>1 x Line-out, 1 x Line-in, 1 x S/PDIF</td>
</tr>
<tr>
<td>TV Tuner</td>
<td>Optional</td>
</tr>
<tr>
<td>RS232 USB 2.0</td>
<td>2</td>
</tr>
<tr>
<td>Power Type</td>
<td>12V DC</td>
</tr>
<tr>
<td>Dimension (mm)</td>
<td>280 x 230 x 44</td>
</tr>
<tr>
<td>Content Support</td>
<td>Video, Image, Flash, RSS News, Web URL, Scrolling Text, Live TV</td>
</tr>
<tr>
<td>Streaming Protocol Support</td>
<td>http, mms, udp, rtp, rtsp, IPTV</td>
</tr>
<tr>
<td>Max. Number of Zones</td>
<td>9</td>
</tr>
<tr>
<td>Software Package</td>
<td>PowerDigiS V2</td>
</tr>
<tr>
<td>Management UI</td>
<td>Web</td>
</tr>
</tbody>
</table>
2016 New Products

NDiS B115
Digital Signage Player
Powered by ARM® Cortex®-A17 Quad Core Processor
- On board cortex®-A17 quad core SoC
- Compliant to HDMI 2.0, support 4K2K video content
- On board IEEE802.11 b/g/n and Bluetooth 4.0
- Support Android

NDiS B425
Fanless Embedded Computer Powered by 4th Gen. Intel® Core™ Processor, Support 4K2K Resolution
- 4th generation Intel® Core™ i3-4020Y/i5-4210Y processor
- Intel® integrated HD4200 graphic engine
- 4K2K resolution support
- Fanless design

NDiS B535
Fanless Embedded Computer Powered by 6th Gen. Intel® Core™ Processor, Support 4K2K Video Playback
- 6th generation Intel® Core™ processor
- Support 3 independent 4K2K 60Hz video out
- USB3.0 x 6, RS-232 x 4, Dual GbE LAN support
- Fanless design

NDiS M535
Embedded Computer Powered by 6th Gen. Intel® Core™ Processor OPS-Based Digital Signage Platform, Support 4K(HDMI 2.0) Resolution
- 6th generation Intel® Core™ processor
- Support 3 independent 4K2K video out
- Dual DDR4 SO-DIMM support
- WWAN/WLAN/TV tuner support
PDSB 115
Digital Signage Player Powered by ARM® Cortex®-A17 Quad Core Processor
- On board Cortex®-A17 quad core SoC
- Compliant to HDMI 2.0, support 4K2K video content
- On board IEEE802.11 b/g/n and Bluetooth 4.0
- Support Android

PDSB 325
Fanless Embedded Computer Powered by Intel® Celeron® Processor N3150
- Intel® Celeron® Processor N3150
- HDMI (4K resolution) and VGA independent displays
- USB 3.0 support
- Compact and fanless design

PDSB 535
Fanless Embedded Computer Powered by 6th Gen. Intel® Core™ Processor, Support 4K2K Video Playback
- 6th generation Intel® Core™ processor
- Support 3 independent 4K2K 60Hz video out
- USB3.0 x 6, RS-232 x 4, Dual GbE LAN support
- Fanless design

PDSB 6210
In-Vehicle Digital Signage Player Powered by Intel® Atom™ Processor Quad core E3845
- Built-in u-blox-M8 GPS, optional Dead Reckoning support
- Built-in CAN Bus 2.0B
- Wake on RTC/SMS via WWAN module
- EN50155 conformity

PDSP 2122
Fanless All-in-One 21” Digital Signage Display Powered by Intel® Atom™ D2550 Processor Support Full HD Video Playback
- 16:9 21.5” fanless panel computer
- Optional 3.5G/Wi-Fi module
- Panel mount/ VESA mount compliance
- Wide range power input 12V~30V DC
**Main Features**
- Intel® Atom™ processor D2550
- Low power consumption
- Compact and fanless
- Dual GbE LAN
- Hyper-threading support
- Intel® GMA 3650 integrated graphic engine

**Product Overview**
Powered by Intel® Atom™ processor D2550, NDiS 126 has enhanced graphics capabilities to playback HD video with low power consumption. NDiS 126 provides various options of video and audio outputs, dual GbE Ethernet with optional wireless connectivity, SIM Card slot for 3.5G radio connectivity.

Compact and fanless design makes the NDiS 126 an ideal choice for digital signage platforms adapted to almost any environment. NDiS 126 works perfectly for advertising, brand promotion and digital menu board application.

**Specifications**
- **CPU Support**
  - Intel® Atom™ processor D2550 1.86GHz onboard
- **Chipset**
  - Intel® NM10 Express chipset
- **Graphics**
  - Intel® GMA 3650 integrated graphic engine
- **Main Memory**
  - 1 x 204-pin SO-DIMM sockets, Supports DDR3 1333/1066/800MHz non-ECC, un-buffered memory up to 4GB
- **I/O Interface-Front**
  - ATX power on switch
  - 1 x power status LED (green)
  - 1 x HDD status LED (red)
  - 4 x USB 2.0 ports
  - 1 x external SIM card holder
  - 1 x antenna holes
  - 1 x serial port (RS-232)
- **I/O Interface-Rear**
  - +12V DC-in
  - 1 x HDMI
  - 1 x additional output (VGA/HDMI)
  - 2 x USB 2.0 ports
  - 2 x RJ45 with LEDs for 10/100/1000Mbps Ethernet
- **Storage**
  - 1 x SATA 2.5” HDD
- **Dimensions**
  - 185mm (W) x 147mm (D) x 48.4mm (H) (7.3” x 5.8” x 1.9”) w/o wall mount bracket
- **Power Supply**
  - 1 x External 50W AC/DC power adapter
  - Input: 100 ~ 240VAC
  - Output: +12VDC
- **Expansion**
  - 1 x mini-PCIe for optional WLAN/TV tuner module
- **Environment**
  - Operating temperature: 0°C to 40°C
  - Storage temperature: -20°C to 80°C
  - Humidity: 10 to 90% (non-condensing)
- **Certification**
  - CE approval
  - FCC Class A
- **Operating System**
  - Win7 (32Bit)/WES7 (32Bit)
Dimension Drawing

Ordering Information

- **NDiS 126-1 (P/N: 10W00012601X0)**
  Intel® Atom™ processor D2550, Intel® NM10 Express chipset, 1 x HDMI output

- **NDiS 126-1H (P/N: 10W00126H01X0)**
  Intel® Atom™ processor D2550, Intel® NM10 Express chipset, 2 x HDMI output

- **NDiS 126-1V (P/N: 10W00126V02X0)**
  Intel® Atom™ processor D2550, Intel® NM10 Express chipset, 1 x HDMI, 1 x VGA output
Main Features

- AMD G-series T56N 1.65GHz Dual Core APU
- Integrated AMD Radeon™ HD6320 GPU
- Fanless and compact design
- Low power consumption

Product Overview

Powered by AMD G-series T56N Dual Core Accelerated Processing Unit, NDiS 127 can play rich multimedia contents but consumes little power. Integrated with AMD Radeon™ HD6320 Graphic Processing Unit in APU, NDiS 127 supports 1080P video playback and DirectX® 11 to demonstrate high impact contents through dual displays.

NDiS 127 is housed in a maintenance-free fanless chassis with compact size. NDiS 127 is designed to fulfill small form factors, low cost, high reliability and low power requirement in digital signage application.

Specifications

**CPU Support**
- AMD G-series Dual Core processor T56N 1.65GHz onboard
- AMD Radeon™ HD6320 GPU in processor

**Chipset**
- AMD AS5E Controller Hub

**Main Memory**
- 1 x 204-pin SO-DIMM sockets, Supports DDR3 1333/1066/800MHz non-ECC, un-buffered memory up to 4GB

**I/O Interface-Front**
- ATX power on switch
- 1 x HDD status LED (yellow)
- 1 x power status LED (green)

**I/O Interface-Rear**
- +12V DC-in
- 1 x DB9 for RS-232
- 4 x USB
- 1 x RJ45 Gigabit LAN connector with LED
- 1 x Line-out/1x Mic-in
- 1 x HDMI
- 1 x DB15 VGA
- 2 x antenna hole for Wi-Fi or TV tuner module

**Storage**
- 1 x SATA 2.5” HDD

**Dimensions**
- 185mm (W) x 147mm (D) x 48.4mm (H) (7.1” x 5.7” x 1.9”) w/o wall mount bracket

**Power Supply**
- 1 x External 50W AC/DC power adapter
  - Input: 100 ~ 240VAC
  - Output: +12VDC

**Expansion**
- 1 x Full mini-PCie for optional WLAN/TV tuner module
- 1 x half mini-PCie for optional WLAN/TV tuner module

**Environment**
- Operating temperature: 0°C to 40°C
- Storage temperature: -20°C to 80°C
- Humidity: 10 to 90% (non-condensing)

**Certification**
- CE approval
- FCC Class A

**Operating System**
- Win7/XP/WE57/WE52009/Linux
**Dimension Drawing**

**Ordering Information**

- NDiS 127 (P/N: 10W0012700X0)
  AMD G-series Dual Core processor T56N 1.65GHz, AMD Radeon™ HD6320 GPU in processor, AMD A55E controller Hub
Main Features
- On board Cortex-A17 quad core SoC
- Compliant to HDMI 2.0, support 4K2K video content
- On board IEEE802.11 b/g/n and Bluetooth 4.0
- Fanless and slim design
- Support Android

Product Overview
Powered by ARM® Cortex®-A17 Quad core, NDiS B115 can play rich multi-media contents with low power consumption. NDiS B115 is enclosed in a compact chassis and can be easily integrated to display devices, such as LCD TV or PDP at site installation with HDMI display output (up to HDMI 2.0 support 4K2K 60Hz), Giga LAN. NDiS B115 is suitable as an entry level digital signage player for advertising, messaging, and brand promotion.

Specifications
Processor
- Rockchip RK3288 28nm Cortex®-A17 Quad core up to 1.8GHz

Memory
- Support DDR3 2GB memory on board

I/O Interface – Front
- Power LED indicator

I/O Interface– Left
- 1 x SD card slot support up to 64GB flash card
- Rest button
- 1 x USB 2.0

I/O Interface – Rear
- 1 x HDMI 2.0 output
- 1 x RJ45 Gigabit LAN port
- 1 x USB OTG
- 1 x ANT
- DC 5V power input jack
- 1 x Audio line out

Storage
- Internal Flash: default 16G Bytes eMMC flash

Dimension
- 118mm(W) x 101mm (D) x 23.6mm(H)

Environment
- Operating temperature: ambient with air flow from -10°C to 50°C
- Storage temperature: -20°C to 80°C
- Humidity: 10 to 95% (non-condensing)

Operating System
- Android 4.4
Dimension Drawing

Ordering Information

- NDiS B115 (P/N: 10W00B11500X0)
  Rockchip RK3288 ARM Cortex-A17 Quad core
**NDiS B324**

Fanless Embedded Computer

Powered by Intel® Celeron® Processor J1800

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**Main Features**
- Intel® Celeron® processor J1800
- HDMI and VGA independent displays
- USB 3.0 support

- WLAN support
- Compact and fanless design

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**Product Overview**

Powered by Intel® Celeron® processor J1800, NDiS B324 can handle very rich multimedia contents. With Intel® Celeron® processor low power consumption feature, NDiS B324 supports display output by HDMI and VGA ports. NDiS B324 is ideal as entry level digital signage player for advertising, hospitality and brand promotion application.

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**Specifications**

**CPU Support**
- Intel® Celeron® J1800 2.41GHz onboard

**Chipset**
- Intel® BayTrail-D

**Graphics**
- Intel® HD Graphics

**Main Memory**
- 1 x 204-pin SO-DIMM socket, supports DDR3L 1333MHz non-ECC, unbuffered memory up to 4G

**I/O Interface-Front**
- 1 x USB 2.0
- 1 x USB 3.0
- 1 x COM port

**I/O Interface-Rear**
- 19V DC Power in
- 1 x VGA
- 1 x HDMI
- 2 x USB 2.0
- 1 x RJ45 with LEDs for 10/100/1000Mbps Ethernet

- 1 x Audio-out
- 1 x Mic-in

**Storage**
- 1 x 2.5" SATA HDD Bay

**Dimensions**
- 180mm (W) x 150mm (D) x 25mm (H)

**Power Supply**
- 1 x External 65W AC/DC power adapter

**Expansion**
- 1 x mini-PCIe slot (half-size)

**Environment**
- Operating temperature: 0°C to 40°C
- Storage temperature: -20°C to 80°C
- Humidity: 10 to 90% (non-condensing)

**Certification**
- CE approval
- FCC Class A

**Operating System**
- Win7/Win8/Win10/WES7/WE8S/Linux
Ordering Information

- NDiS B324 (P/N: 10W00B32400X0)
  Intel® Celeron® J1800 Dual Core fanless system
Main Features
- Intel® Celeron® Processor N3150
- HDMI (4K Resolution) and VGA independent displays
- USB 3.0 support
- WLAN support
- Compact and fanless design
- Wide Temperature Support

Product Overview
Powered by new generation Intel® Celeron® Processor N3150, NDiS B325 digital signage player can handle very rich multimedia contents. With Intel® processor low power consumption feature, NDiS B325 supports display output by HDMI and VGA ports. NDiS B325 is ideal as entry level digital signage player for advertising, hospitality and brand promotion application.

Specifications

CPU Support
- Intel® Celeron® Processor N3150 Quad Core 1.6GHz SoC processor, up to 2.08GHz

Graphics
- Intel® HD Graphics

Main Memory
- 1 x 204-pin SO-DIMM socket, supports DDR3L non-ECC, un-buffered memory up to 8G

I/O Interface-Front
- 2 x USB 2.0
- 2 x USB 3.0
- 1 x D89 for RS323
- 1 x Power LED

I/O Interface-Rear
- 19V DC Power in
- 1 x VGA
- 1 x HDMI (4K Resolution)
- 2 x USB 3.0
- 1 x RJ45 with LEDs for 10/100/1000Mbps Ethernet
- 1 x Audio-out
- 1 x Mic-in

Storage
- 1 x 2.5” SATA HDD Bay

Dimensions
- 226.34 x 147.40 x 29.00 mm

Power Supply
- 1 x External 65W AC/DC power adapter

Expansion
- 1 x mini-PCIe slot

Environment
- Operating temperature: -20°C~50°C
- Storage temperature: -25°C to 80°C
- Humidity: 10 to 90% (non-condensing)

Certification
- CE approval
- FCC Class A

Operating System
- Win 7/WE7/Win 8/WE8S/Win 10/Linux
Dimension Drawing

Ordering Information

- NDiS B325 (P/N: 10WOOB32500X0)
  Intel® Celeron® N3150 Quad Core fanless system
Main Features

- 2nd generation Intel® Core™ processor family platform
- Intel® integrated graphics engine
- Intel® AMT 7.0 Support
- Dual independent display
- Dual Gbe LAN
- WLAN/TV tuner support

Product Overview

NDiS 166 is specially designed to be mounted behind the large-size display device such as LCD TV or PDP. NDiS 166 supports dual display output by DVI, HDMI or VGA. The NDiS 166 operates on 2nd generation Intel® Core™ Processor Family with QM67 integrated graphics controller. NDiS 166 can smoothly playback dual Full HD video. NDiS 166 is ideal as advanced digital signage player for advertising, hospitality, brand promotion and digital menu board application.

Specifications

CPU Support
- 2nd generation Intel® Core™ rPGA socket type processor

Chipset
- Intel® QM67
- Intel® integrated graphics

Main Memory
- 2 x 240-pin DIMM sockets, Supports DDR3 1333/1066MHz non-ECC, un-buffered memory up to 16GB (single socket max. 8GB)

I/O Interface-Front
- 2 x USB 2.0
- 2 x RS-232
- 1 x On/Off power switch
- 2 x LED for PW and HDD

I/O Interface-Rear
- 1 x +12V DC-in
- 1 x VGA
- 1 x DVI-D
- 1 x HDMI
- 2 x USB 2.0
- 2 x RJ45 with LED for 10/100/1000 Mbps Ethernet
- 1 x SPDIF
- 1 x Line-out/1 x Line-in
- 2 x Antenna hole for Wi-Fi and TV tuner

Storage
- 1 x 2.5” SATA HDD bay

Expansion
- 1 x mini-PCIe for optional wireless LAN module
- 1 x mini-PCIe for optional TV tuner module

Dimensions
- 250mm (W) x 194mm (D) x 40mm (H) (9.8” x 7.6” x 1.6”) w/o mounting bracket

Construction
- Top cover made by aluminum for main heat exchange
- Chassis made by steel in black

Power Supply
- 1 x External 80W AC/DC power adaptor
  Input: 100 ~ 240VAC
  Output: +12VDC

Environment
- Operating temperature: 0°C to 40°C
- Storage temperature: -20°C to 80°C
- Humidity: 10 to 90% (non-condensing)

Certification
- CE approval
- FCC Class A

Operating System
- Win7/Win8/XP/WES7/WES8/WES2009/Linux
Ordering Information

- **NDiS 166 (P/N: 10W00016600X0)**
  2nd generation Intel® Core™ processor (up to 35W) fanless system, Intel® QM67 chipset

- **NDiS 166F (P/N: 10W00016601X0)**
  2nd generation Intel® Core™ processor (up to 45W) system, Intel® QM67 chipset
Product Overview

NDiS 167 Ivy Bridge player is a powerful digital signage player which is built around the superb technology of 3rd generation Intel® Core™ processor family series and QM77 integrated graphics controller. The digital signage player can offer impressive system performance and full HD videos. With support for smooth 1080P video playback on three independent displays, the 1080P signage player can fully satisfy customer’s expectation and therefore be used in applications such as advertising, hospitality, brand promotion and digital menu board.
**Dimension Drawing**

**Operating System**
- Win7/Win8/XP/WE8/WE8S/WE82009/Linux

**Ordering Information**
- NDIS 167 (P/N: 10W00016700X0)
  3rd generation Intel® Core™ processor (up to 35W) system, Intel®
  QM77 chipset
NDiS B425

Fanless Embedded Computer Powered by 4th Gen. Intel® Core™ Processor, Support 4K2K Resolution

Main Features
- 4th generation Intel® Core™ i3-4020Y/i5-4210Y processor
- Intel® integrated HD4200 graphic engine
- DirectX® 11.1 support
- 4K2K resolution support
- Fanless design
- Compact and slim design

Product Overview
NDiS B425 come with compact fanless design and powered by 4th generation Intel® Core™ i3-4020Y/i5-4210Y processor, integrated with HD 4200 graphics controller. The digital signage player can offer impressive system performance and 4Kx2K videos. The NDiS B425 signage player can fully satisfy customer’s expectation and therefore be used in applications such as advertising, hospitality, brand promotion and digital menu board.

Specifications

CPU Support
- 4th generation Intel® Core™ i5-4210Y BGA type SoC processor
- 4th generation Intel® Core™ i3-4020Y BGA type SoC processor

Graphics
- Intel® integrated HD4200 graphic engine

Main Memory
- 1 x 204-pin SO-DIMM sockets, Support DDR3L 1333/1600MHz non-ECC, un-buffered memory up to 8GB

I/O Interface-Front
- 1 x Power Switch with LED
- 1 x HDD Status LED
- 1 x Line-out
- 1 x Mic-in
- 2 x Antenna Hole

I/O Interface-Rear
- +19V DC-in
- 1 x HDMI
- 1 x Display Port
- 1 x DB9 for RS-232
- 4 x USB3.0
- 1 x RJ45 with LED for 10/100/1000Mbs Ethernet
- 1 x eSATA

Storage
- 1 x 2.5” HDD/SSD

Dimensions
- 167mm (W) x 139.6mm (D) x 45mm(H), w/o mounting bracket

Construction
- Top cover made by aluminum for main heat exchange

Power Supply
- 1 x External 65W AC/DC adapter
- Input: 100~240VAC
- Output: +19V

Expansion
- 1 x Half mini-PCIe for optional WLAN module

Environment
- Operating temperature: 0°C to 40°C
- Storage temperature: -20°C to 80°C
- Humidity: 10 to 90% (non-condensing)

Certification
- CE approval
- FCC Class A

Operating System
- Win7/Win8/Win10/WES7/WES8/Linux
Ordering Information

- **NDiS B425 (P/N: 10W00B42501X0)**
  4th generation Intel® Core™ i3-4020Y BGA type SoC processor fanless system

- **NDiS B425-4210Y (P/N: 10W00B42500X0)**
  4th generation Intel® Core™ i5-4210Y BGA type SoC processor fanless system
Main Features

- 3rd Generation Intel® Core™ processor
- Intel® integrated HD 4000 graphic engine
- Compact and slim design
- 3 independent display
- USB 3.0, Dual GbE LAN support
- WLAN/TV tuner support
- DirectX® 11 support

Product Overview

NDiS B532 is a powerful digital signage player which is built around the superb technology of 3rd generation Intel® Core™ processor family series and QM77 integrated graphics controller. The digital signage player can offer impressive system performance and Full HD videos. With support for smooth 1080P video playback on three independent displays, the 1080P signage player can fully satisfy customer’s expectation and therefore be used in applications such as advertising, hospitality, brand promotion and digital menu board.

Specifications

CPU Support
- 3rd generation Intel® Core™ rPGA socket type processor

Chipset
- Intel® QM77
- Intel® integrated HD4000 graphic engine

Main Memory
- 2 x 204-pin SO-DIMM sockets, Supports DDR3 1600/1333MHz non-ECC, un-buffered memory up to 16GB (single socket max. 8GB)

I/O Interface-Front
- 1 x Power status LED
- 1 x HDD status LED
- 1 x Power switch
- 1 x Reset switch
- 2 x USB 3.0
- 2 x DB9 for RS-232

I/O Interface-Rear
- +12V DC-in
- 3 x HDMI
- 2 x USB 3.0
- 2 x RJ45 with LED for 10/100/1000Mbs Ethernet
- 1 x SPDIF
- 1 x Line-in/1 x Line-out
- 3 x antenna hole for Wi-Fi and TV tuner

Storage
- 1 x SATA 2.5” HDD
- 1 x SATA DOM

Expansion
- 1 x mini-PCIe for optional WLAN module
- 1 x mini-PCIe for optional TV tuner module

Data Protection
- 1 x Wafer on board for TPM module (ver. 1.2), support Intel® Trusted Execution Technology

Construction
- Top cover made by aluminum for main heat exchange
- Chassis made by steel in black

Dimensions
- 294mm (W) x 198mm (D) x 52mm (H) (11.6” x 7.8” x 2.0”) w/o mounting bracket

Power Supply
- 1 x External 96W AC/DC adapter
  Input: 100 – 240VAC
  Output: +12VDC

Environment
- Operating temperature: 0°C to 40°C
- Storage temperature: -20°C to 80°C
- Humidity: 10 to 90% (non-condensing)
Certification
• CE approval
• FCC Class A

Operating System
• Win7/Win8/XP/WES7/WES8/WES2009/Linux

Ordering Information
• NDIS B532 (P/N: 10W00B53200X0)
  3rd generation Intel® Core™ processor (up to 35W) fanless system,
  Intel® QM77 chipset
**Main Features**

- 4th Generation Intel® Core™ processor
- Intel® integrated HD 4600 graphic engine
- Compact and Slim Design
- 3 Independent display
- USB 3.0, Dual GbE LAN support
- WLAN/TV tuner support
- DirectX® 11.1 support

**Product Overview**

NDiS B533 is a powerful digital signage player which is built around the superb technology of 4th generation Intel® Core™ processor family series and Q87 integrated graphics controller. The digital signage player can offer impressive system performance and full HD videos. With support for smooth 1080P video playback on three independent displays, the 1080P signage player can fully satisfy customer’s expectation and therefore be used in applications such as advertising, hospitality, brand promotion and digital menu board.

**Specifications**

**CPU Support**
- 4th generation Intel® Core™ LGA socket type processor

**Chipset**
- Intel® Q87
- Intel® integrated HD4600 graphic engine

**Main Memory**
- 2 x 204-pin SO-DIMM sockets, Supports DDR3 1600/1333MHz non-EC, un-buffered memory up to 16GB (single socket max. 8GB)

**I/O Interface-Front**
- 1 x Power status LED
- 1 x HDD status LED
- 1 x Power switch
- 1 x Reset switch
- 2 x USB 3.0
- 2 x DB9 for RS-232

**I/O Interface-Rear**
- +12V DC-in
- 3 x HDMI
- 2 x USB 3.0
- 2 x RJ45 with LED for 10/100/1000Mbs Ethernet
- 1 x SPDIF
- 1 x Line-in/1x Line-out
- 3 x antenna hole for Wi-Fi and TV tuner

**Storage**
- 1 x SATA 2.5” HDD
- 1 x SATA DOM

**Expansion**
- 1 x mini-PCIe for optional WLAN module
- 1 x mini-PCIe for optional TV tuner module

**Data Protection**
- 1 x Wafer on board for TPM module (ver. 1.2), support Intel® Trusted Execution Technology

**Construction**
- Top cover made by aluminum for main heat exchange
- Chassis made by steel in black

**Dimensions**
- 294mm (W) x 198mm (D) x 52mm (H) (11.6” x 7.8” x 2.0”) w/o mounting bracket

**Power Supply**
- 1 x External 80W AC/DC adapter
- Input: 100 – 240VAC
- Output: +12VDC

**Environment**
- Operating temperature: 0°C to 40°C
- Storage temperature: -20°C to 80°C
- Humidity: 10 to 90% (non-condensing)
Certification
- CE approval
- FCC Class A

Operating System
- Win7/Win8/Win10

Ordering Information
- NDIS B533 (P/N: 10W00B53300X0)
  4th generation Intel® Core™ processor (up to 35W) fanless system, Intel® Q87 chipset
- NDIS B533F (P/N: 10W00B53301X0)
  4th generation Intel® Core™ processor (up to 45W) system, Intel® Q87 chipset
Main Features
- 6th Generation Intel® Core™ processor
- Intel® integrated HD 530 graphic engine
- Support 3 independent 4K2K 60Hz video out
- USB3.0 x 6, RS-232 x 4, Dual GbE LAN support
- NFGG type storage and WLAN support
- DirectX® 12 support
- Fan less design

Specifications

CPU Support
- 6th generation Intel® Core™ LGA socket type processor

Chipset
- Intel® 100 Series chipset
- Intel® integrated HD 530 graphic engine

Main Memory
- 2 x 260-pin SO-DIMM Sockets, Supports DDR4 1866/2133 MHz non-ECC, un-buffered memory up to 32G (Single socket max. 16GB)

I/O Interface-Front
- 1 x Power status LED
- 1 x HDD status LED
- 1 x Power switch
- 1 x Reset switch
- 2 x USB3.0
- 4 x DB9 for RS-232

I/O Interface-Rear
- +12V DC-in
- 3 x HDMI 2.0
- 2 x USB3.0
- 2 x RJ45 with LED for 10/100/1000Mbs Ethernet
- 1 x Min-in/1x Line-out
- 3 x Antenna hole for Wi-Fi and TV tuner

Storage
- 1 x SATA 2.5” HDD/SSD
- 1 x NGFF (M.2) SSD card slot (support 22x42, 22x80)

Expansion
- 1 x mini-PCie for optional WLAN/TV tuner module
- 1 x NGFF (M.2) E key for optional WLAN
- 1 x SIM Slot

Construction
- Top cover made by aluminum for main heat exchange
- Chassis made by steel in black

Dimensions
- 294mm (W) x 198mm(D) x 52mm (H) (11.6” x 7.8” x 2.0”)

Power Supply
- 1 x External 96W AC/DC adapter
  Input: 100–240VAC
  Output: +12VDC

Environment
- Operating temperature: 0°C to 40°C
- Storage temperature: -20°C to 80°C
- Humidity: 10 to 90% (non-condensing)

Certification
- CE/FCC Class A

Operating System
- Win7 (32/64bit)/Win8.1 (64bit)/Win10 (64bit)/Linux
## Ordering Information

- **NDiS B535 (P/N: 10W00B53500X0)**
  - 6th generation Intel® Core™ processor (up to 35W) fanless system,
  - Intel® 100 Series chipset
**Main Features**

- AMD R-series platform
- AMD Radeon™ E6760 GPU
- Slim and compact design
- 4 x HDMI
- 2 x USB 3.0 support
- WLAN and TV tuner support
- DirectX® 11 support
- Removable fan module

**Product Overview**

NDiS B842 is specifically designed to address the need for application to present high quality contents on multiple displays. NDiS B842 provides six independent HDMI and dual USB 3.0 and dual GbE Ethernet with optional WLAN. Powered by AMD Embedded R-Series APU and AMD E6760 GPU, NDiS B842 can smoothly playback multiple Full HD videos. NDiS B842 is an advanced media player for any applications to demonstrate high quality and high impact contents over multiple displays.

**Specifications**

**CPU Support**
- AMD-R-series Dual/Quad processors

**Chipset**
- AMD Hudson-M3 A70M Fusion Controller Hub
- AMD Radeon™ E6760 GPU

**Main Memory**
- 2 x 204-pin SO-DIMM sockets, Supports DDR3 1600/1333MHz non-ECC, un-buffered memory up to 16GB (single socket max. 8GB)

**I/O Interface-Front**
- 1 x HDD LED
- 1 x Power LED

**I/O Interface-Rear**
- +12V DC-in
- 2 x RJ45 for RS-232
- 2 x USB 3.0
- 2 x USB 2.0
- 2 x RJ45 with LEDs for 10/100/1000Mbps Ethernet
- 1 x Line-in, 1 x Line-out
- 1 x SPDIF
- 4 x HDMI
- 3 x Antenna hole for Wi-Fi and TV tuner
- 1 x Power switch with LED
- 1 x Reset switch

**Storage**
- 1 x SATA 2.5" HDD
- 1 x SATA DOM

**Expansion**
- 1 x mini-Pcie for optional WLAN module
- 1 x mini-Pcie for optional TV tuner module

**Dimensions**
- 280mm (W) x 230mm (D) x 44mm (H) (11.0" x 9.0" x 1.7") w/o mounting bracket

**Power Supply**
- External 120W AC/DC adapter
  - Input: 100 ~ 240VAC
  - Output: +12VDC

**Environment**
- Operating temperature: ambient with air flow from 0°C to 40°C
- Storage temperature: -20°C to 80°C
- Humidity: 10 to 90% (non-condensing)

**Certification**
- CE approval
- FCC Class A

**Operating System**
- Win7/WE7/Win8/WE8S/Linux
Ordering Information

- **NDiS B842 (P/N: 10W00B84200X0)**
  AMD R-series Dual/Quad processors, AMD Hudson-M3 A70M chipset
  AMD Radeon™ E6760 GPU
**Main Features**

- AMD R-series platform
- AMD Radeon™ E6760 GPU
- Slim and compact design
- 6 x HDMI

- 2 x USB 3.0 support
- WLAN and TV tuner support
- DirectX® 11 support
- Removable fan module

**Product Overview**

NDiS B862 is specifically designed to address the need for application to present high quality contents on multiple displays. NDiS N862 provides six independent HDMI and dual USB 3.0 and dual GbE Ethernet with optional WLAN. Powered by AMD Embedded R-Series APU and AMD E6760 GPU, NDiS B862 can smoothly playback multiple Full HD videos. NDiS B862 is an advanced media player for any applications to demonstrate high quality and high impact contents over multiple displays.

**Specifications**

**CPU Support**

- AMD R-series Dual/Quad processors

**Chipset**

- AMD Hudson-M3 A70M Fusion Controller Hub
- AMD Radeon™ E6760 GPU

**Main Memory**

- 2 x 204-pin SO-DIMM sockets, Supports DDR3 1600/1333MHz non-ECC, un-buffered memory up to 16GB (single socket max. 8GB)

**I/O Interface-Front**

- 1 x HDD LED
- 1 x Power LED

**I/O Interface-Rear**

- +12V DC-in
- 2 x RJ45 for RS-232
- 2 x USB 3.0
- 2 x USB 2.0
- 2 x RJ45 with LEDs for 10/100/1000Mbps Ethernet
- 1 x Line-in, 1 x Line-out
- 1 x SPDIF
- 6 x HDMI
- 3 x Antenna hole for Wi-Fi and TV tuner
- 1 x Power switch with LED
- 1 x Reset switch

**Storage**

- 1 x SATA 2.5" HDD
- 1 x SATA DOM

**Expansion**

- 1 x mini-PCIe for optional WLAN module
- 1 x mini-PCIe for optional TV tuner module

**Dimensions**

- 280mm (W) x 230mm (D) x 44mm (H) (11.0" x 9.0" x 1.7") w/o mounting bracket

**Power Supply**

- External 120W AC/DC adapter
- Input: 100 ~ 240VAC
- Output: +12VDC

**Environment**

- Operating temperature: ambient with air flow from 0°C to 40°C
- Storage temperature: -20°C to 80°C
- Humidity: 10 to 90% (non-condensing)

**Certification**

- CE approval
- FCC Class A

**Operating System**

- Win7/Win8/WE8S/Linux
Ordering Information

- **NDiS B862 (P/N: 10W00B86200X0)**
  - AMD R-series Dual/Quad processors, AMD Hudson-M3 A70M chipset
  - AMD Radeon™ E6760 GPU
NDiS M324

Embedded Computer Powered by Intel® Celeron® Processor J1900
OPS Digital Signage Platform, Support Remote Management

Main Features
- Intel® Celeron™ processor J1900
- Integrated Intel® Gen.7 graphics
- Dual SO-DIMM slots for up to 8GB of DDR3L 1333 memory
- WWAN/WLAN/TV tuner support
- Remote management
- Comply with Open Pluggable Specification
- Fanless design

Product Overview
NDiS M324 is based on Intel® Celeron® Processor J1900 (formerly codenamed "Bay Trail") and follows the electrical and mechanical specifications of the Open Pluggable Specification. NDiS M324 can be plugged into any OPS-complaint display devices to render rich multimedia contents. Thanks to the modular and cable-less, NDiS M324 satisfies the need for quick deployment and hassle-free maintenance of large digital signage network dispersed in different geographical locations. NDiS M324 is powered by the Intel® Celeron® Processor J1900. The digital signage player has an integrated Intel® Gen.7 graphic engine and supports Microsoft DirectX 11. Taking advantage of the latest Intel® technology, NDiS M324 can accelerate, 3D rendering, image processing and video decoding to provide highly personalized information base on the result of audience measurement to deliver accurate marketing message to target audience.

Specifications

CPU Support
- Intel® Celeron® Processor J1900 Quad Core 2.0GHz SoC processor

Graphic
- Integrated Intel® Gen.7 graphics

Main Memory
- 2 x 204-pin SO-DIMM socket, support DDR3L 1333 MHz with unbuffered and non-ECC SDRAM up to 8GB

I/O Interface-Front
- 1 x Power button
- 1 x reset button
- 1 x HDD LED
- 3 x USB 3.0
- 1 x HDMI
- 1 x Mic-in
- 1 x Line-out
- 1 x 2.5" HDD slot
- 1 x RJ45 with LEDs for Gigabit LAN
- 2 x Antenna hole

I/O Interface-Rear
- 1 x TMDS
- 1 x UART
- 1 x Audio out L/R
- 2 x USB 2.0
- 1 x USB 3.0
- DC input 12V ~ 19V
- Control signals (PWR_STATUS, PS_ON#, PB_DET, CEC, SYS_FAN)

Storage Device
- 1 x 2.5" SATA Storage Bay for HDD/SSD

Expansion
- 1 x mini-PCI for optional WLAN/TV tuner module
- 1 x SIM slot

Dimensions
- 200mm (W) x 119mm (D) x 30mm (H) (7.8" x 4.7" x 1.1")

Power Power Supply
- DC power input +12V ~ +19V

Environment
- Operating temperature: Ambient with air flow from 0°C to 45°C (with HDD)
  Ambient with air flow from 0°C to 45°C (with SSD)
- Storage temperature: -20°C to 80°C
- Humidity: 10 to 90% (non-condensing)
**Certification**
- CE approval
- FCC Class A

**Operating System**
- Win7/Win8/Win10/WES7/WES8/Linux

**Ordering Information**
- NDIS M324 (P/N: 10W00M32400X0)
  Intel® Celeron® J1900 processor SoC OPS
Main Features
- Intel® Celeron® Processor N3150
- Integrated Intel® HD graphics
- Support 4K2K video output
- Dual SO-DIMM slots for up to 8GB of DDR3L 1600 memory
- WWAN/WLAN/TV Tuner support
- 2.5” HDD/SSD and NGFF dual storage
- Remote management (DASH)

Product Overview
NDiS M335 OPS player, which follows the electrical and mechanical specifications of the Open Pluggable Specification, is based on Intel® Celeron® Processor N3150 (formerly codenamed “Braswell”). NDiS M335 can be plugged into any OPS-compliant display devices to render rich multimedia contents. Thanks to the modular and cable-less, NDiS M335 OPS player satisfies the need for quick deployment and hassle-free maintenance of large digital signage networks dispersed in different geographical locations.

Powered by future generation Intel® processor, the NDiS M335 OPS player with integrated new Intel® graphic engine can support 4K2K and Microsoft DirectX 11.1. Taking advantage of the latest Intel® technology, NDiS M335 can accelerate 3D rendering, image processing and video decoding to provide targeted audience highly personalized information based on the result of audience measurement to deliver accurate marketing messages.

Specifications
CPU Support
- Intel® Celeron® Processor N3150 Quad Core 1.6GHz SoC processor

Graphic
- Integrated Intel® HD graphics

Main Memory
- 2 x 204 pin SO-DIMM socket, support DDR3L 1600MHz with unbuffered and non-ECC SDRAM up to 8GB

I/O Interface-Front
- 1 x Power button
- 1 x Reset button
- 1 x HDD LED
- 2 x USB3.0
- 2 x USB2.0
- 2 x HDMI (HDMI2 support 4K2K output)
- 1 x Mic-in
- 1 x Line-out
- 1 x 2.5” HDD/SSD slot
- 1 x RJ45 with LEDs for Gigabit LAN
- 2 x antenna hole

I/O Interface-Rear
- 1 x TMDS
- 1 x Audio out L/R
- 2 x USB2.0
- 1 x USB3.0
- DC input +12V/+19V
- Control signals (PWR_STATUS, PS_ON#, PB_DET, CEC, SYS_FAN)

Storage Device
- 1 x 2.5” SATA storage bay for HDD/SSD
- 1 x NGFF(M2) B key slot, support 2242 SSD, SATA interface

Expansion
- 1 x mini-PCIe for optional WWAN/WLAN/TV tuner module
- 1 x SIM slot

Dimensions
- 200mm (W) x 119mm (D) x 30mm (H) (7.8” x 4.7” x 1.1”)

Power Supply
- 1 x DC power input +12v ~ +19V

Environment
- Operating temperature: Ambient with air flow from 0°C ~ 45°C
- Storage temperature: -20°C ~ 80°C
- Humidity: 10 to 90% (non-condensing)
Certification
- CE approval
- FCC Class A

Operating System
- Win 7/8/10/8.1/10 (64bit)/WE8S/Linux

Ordering Information
- NDIS M335 (P/N: 10W00M33500X0)
  Intel® Celeron® N3150 processor SoC OPS
**Main Features**

- AMD G Series T56N 1.65GHz Dual-Core APU
- Integrated AMD Radeon™ HD6320
- Designed compliant with open pluggable standard
- Low power consumption
- Easy maintenance and upgrade
- TV tuner/WLAN support
- DirectX® 11 Support

**Product Overview**

NDiS M422 is specifically designed to be compliant with OPS (Open Pluggable Standard). NDiS M422 provides pluggable 2.5” storage device scalability, easy to change DRAM and expand modules by Mini Card. NDiS M422 is powered by AMD G Series T56N 1.65GHz Dual-Core APU with high graphic performance and low power consumption. NDiS M422 is a powerful media player for digital signage applications demonstrate high impact contents in compact size and perfect match with panel.

**Specifications**

**CPU Support**
- AMD G-series Dual-Core Processor T56N 1.65GHz Onboard

**Chipset**
- AMD A50M Fusion Controller Hub

**Graphic**
- AMD Radeon™ HD6320

**Main Memory**
- 1 x 204-pin SO-DIMM socket, support DDR3 1333MHz with un-buffered and non-ECC SDRAM up to 8GB

**I/O Interface-Front**
- 1 x Power button
- 1 x Power LED
- 1 x Reset button
- 1 x HDD LED
- 2 x USB 2.0
- 1 x HDMI
- 1 x Audio Line-in
- 1 x Audio Line-out:
  - 1 x RJ45 with LEDs for Gigabit LAN
  - 1 x RJ45 for RS-232
  - 1 x 2.5” HDD slot
  - 1 x Antenna hole
- 1 x TMDS

**I/O Interface-Rear**
- 1 x UART
- 1 x Audio out L/R
- 3 x USB 2.0
- DC input +12V – +19V
- Control signals (PWR>Status, PS_ON#, PB_DET, CEC, SYS_FAN)

**Storage Device**
- 1 x 2.5” SATA Storage Bay for HDD/SSD

**Expansion**
- 1 x mini-PCie for optional WLAN/TV tuner module

**Dimensions**
- 200mm (W) x 119mm (D) x 30mm (H) (7.8” x 4.7” x 1.1”)

**Power Power Supply**
- DC power input +12V – 19V

**Environment**
- Operating temperature: ambient with air flow from 0°C to 45°C
- Storage temperature: -20°C to 80°C
- Humidity: 10 to 90% (non-condensing)

**Certification**
- CE approval
- FCC Class A

**Operating System**
- Win7/Win8/XP/WES7/WES8/WES2009/Linux
Dimension Drawing

Ordering Information

- NDiS M422 (P/N: 10W00M42200X0)
  AMD G-series Dual-Core Processor T56N 1.65GHz Onboard Support,
  AMD A50M Fusion Controller Hub
Main Features
- 3rd generation Intel® Core™ processor
- Intel® integrated HD 4000 graphic engine
- Compact and slim design
- Easy maintenance and upgrade
- USB 3.0, dual GbE LAN support
- WLAN/TV tuner support
- DirectX® 11 support

Product Overview
NDiS M532 is an OPS-compliant media player powered by 3rd generation Intel® Core™ processors. Following open pluggable standard, NDiS M532 can perfectly fit into a myriad of OPS-panels and is compact in size. Yet, NDiS M532 has high scalability, allowing for easy storage capacity expansion through pluggable 2.5” storage unit and effortless functional extension through Mini Card expansion modules. Changing system memory is also made simple. In addition, NDiS M532 leverages the 3rd generation Intel® Core™ processors to deliver outstanding graphics whilst limiting the power usage. The superb but power-efficient NDiS M532 can therefore maximize visual impacts for digital signage applications.

Specifications

CPU Support
- 3rd generation Intel® Core™ rPGA socket type processor

Chipset
- Intel® QM77

Graphic
- Intel® integrated HD4000

Main Memory
- 1 x 204-pin SO-DIMM socket, support DDR3 1600 MHz with un-buffered and non-ECC SDRAM up to 8GB

I/O Interface-Front
- 1 x Power button
- 1 x Reset button
- 1 x HDD LED
- 2 x USB 3.0
- 1 x HDMI
- 1 x Audio Mic-in
- 1 x Audio Line-out
- 2 x RJ45 with LEDs for Gigabit LAN
- 1 x 2.5” HDD slot
- 2 x Antenna hole

I/O Interface-Rear
- 1 x TMDS
- 1 x DP
- 1 x UART
- 1 x Audio out L/R
- 2 x USB 2.0
- 1 x USB 3.0
- DC input +12V ~ +19V
- Control signals (PWR_STATUS, PS_ON#, PB_DET, CEC, SYS_FAN)

Storage Device
- 1 x 2.5” SATA storage bay for HDD/SSD

Expansion
- 1 x mini-PcIe for optional WLAN/TV tuner module

Dimensions
- 200mm (W) x 119mm (D) x 30mm (H) (7.8” x 4.7” x 1.1”)

Power Power Supply
- DC power input +12V ~ 19V

Environment
- Operating temperature: ambient with air flow from 0°C to 45°C
- Storage temperature: -20°C to 80°C
- Humidity: 10 to 90% (non-condensing)

Certification
- CE approval
- FCC Class A

Operating System
- Win7/Win8/XP/WES7/WE8S/WES2009/Linux
Dimension Drawing

Ordering Information

- NDiS M532 (P/N: 10W00M53200X0)
  3rd generation Intel® Core™ processor (up to 35W) OPS digital signage platform, Intel® QM77 chipset
**Main Features**

- 4th generation Intel® Core™ i3/i5/i7 processor family
- Intel® HD Graphics with DirectX® 11.1 support
- Dual DDR3L SO-DIMM support
- WWAN/WLAN/TV Tuner support
- Support for Intel® AMT9.0
- 4K resolution support

**Product Overview**

NDiS M533 is an OPS-compliant media player powered by 4th generation Intel® Core™ processors. Following open pluggable standard, NDiS M533 can perfectly fit into a myriad of OPS-panels and is compact in size. Yet, NDiS M533 has high scalability, allowing for easy storage capacity expansion through pluggable 2.5" storage unit and effortless functional extension through Mini Card expansion modules. Changing system memory is also made simple. In addition, NDiS M533 leverages the 4th generation Intel® Core™ processors to deliver outstanding graphics whilst limiting the power usage. The superb but power-efficient NDiS M533 can therefore maximize visual impacts for digital signage applications.

**Specifications**

**CPU Support**

- 4th generation Intel® Core™ i3-4100E BGA type processor
- 4th generation Intel® Core™ i5-4400E BGA type processor
- 4th generation Intel® Core™ i7-4700EQ BGA type processor

**Chipset**

- Intel® QM87

**Graphic**

- Intel® integrated HD 4600

**Main Memory**

- 2 x 204-pin SO-DIMM socket, support DDR3L 1600 MHz with un-buffered and non-ECC SDRAM up to 16GB

**I/O Interface-Front**

- 1 x Power button
- 1 x Reset button
- 1 x HDD LED
- 4 x USB 3.0
- 1 x HDMI (for NDiS M533)
- 1 x Display Port (for NDiS M533-D)
- 1 x Mic-in/Line-out
- 1 x 2.5" HDD slot
- 1 x RJ45 with LEDs for Gigabit LAN
- 1 x RJ45 for RS-232
- 2 x Antenna hole

**I/O Interface-Rear**

- 1 x TMDS
- 1 x Display Port
- 1 x UART
- 1 x Audio out L/R
- 2 x USB 2.0
- 1 x USB 3.0
- DC input +12V ~ +19V
- Control signals (PWR_STATUS, PS_ON#, PB_DET, CEC, SYS_FAN)

**Storage Device**

- 1 x 2.5" SATA storage bay for HDD/SSD

**Expansion**

- 1 x mini-Pi/e for optional WLAN/TV tuner module
- 1 x SIM slot

**Dimensions**

- 200mm (W) x 119mm (D) x 30mm (H) (7.8" x 4.7" x 1.1")

**Power Power Supply**

- DC power input +12V ~ 19V

**Environment**

- Operating temperature: ambient with air flow from 0°C to 45°C
- Storage temperature: -20°C to 80°C
- Humidity: 10 to 90% (non-condensing)
Certification
• CE approval
• FCC Class A

Operating System
• Win7/Win8/Win7/Win8/Linux

Ordering Information

- **NDIS M533 (P/N: 10W00M53300X0)**
  4th generation Intel® Core™ i5-4400E BGA type processor OPS, Intel® QM87 chipset

- **NDIS M533-4100E (P/N: 10W00M53302X0)**
  4th generation Intel® Core™ i3-4100E BGA type processor OPS, Intel® QM87 chipset

- **NDIS M533-4700EQ (P/N: 10W00M53305X0)**
  4th generation Intel® Core™ i7-4700EQ BGA type processor OPS, Intel® QM87 chipset

- **NDIS M533-D (P/N: 10W00M53301X0)**
  4th generation Intel® Core™ i5-4400E BGA type processor OPS, Intel® QM87 chipset

- **NDIS M533-4720HQ (P/N: 10W00M53308X0)**
  4th generation Intel® Core™ i7-4720HQ BGA type processor OPS, Intel® QM87 chipset, W/O V-Pro

- **NDIS M533-4210H (P/N: 10W00M53306X0)**
  4th generation Intel® Core™ i5-4210H BGA type processor OPS, Intel® QM87 chipset, W/O V-Pro
**Main Features**

- 6th generation Intel® Core™ Processor
- Intel® integrated HD 530 graphic engine
- Support 3 independent 4K2K video output
- Dual DDR4 SO-DIMM support
- WWAN/WLAN/TV Tuner support
- DirectX® 12 support

**Product Overview**

NDiS M535 is an OPS-compliant media player powered by 6th generation Intel® Core™ processors. Following open pluggable standard, NDiS M533 can perfectly fit into any OPS-panel and is compact in size. Yet, NDiS M535 has high scalability, allowing for easy storage capacity expansion through pluggable 2.5” storage unit and effortless functional extension through Mini Card expansion modules. Changing system memory is also made simple. In addition, NDiS M535 leverages the future generation Intel® Core™ processors to deliver outstanding graphics support 3 independent 4K2K video output. The superb but power-efficient NDiS M535 can therefore maximize visual impacts for digital signage applications.

**Specifications**

**CPU Support**
- 6th generation Intel® Core™ i5-6440EQ 2.7GHz BGA type processor
- 6th generation Intel® Core™ i7-6820EQ 2.8GHz BGA type processor

**Chipset**
- Intel® QM170 PCH

**Graphic**
- Intel® integrated HD 530 graphics

**Main Memory**
- 2 x 260pin SO-DIMM Sockets, Supports DDR4 1866/2133 MHz non-ECC, un-buffered memory up to 32G (Single socket max. 16GB)

**I/O Interface-Front**
- 1 x Power button with LED
- 1 x Reset button
- 1 x RJ45 with LEDs for Gigabit LAN
- 1 x HDMI 2.0 (A type), 1 x Mini DP
- 2 x USB 3.0
- 1 x 2.5” HDD/SSD slot
- 1 x HDD Active LED
- 2 x Antenna hole
- 1 x Mic-in phone jack
- 1 x Line-out phone jack

**I/O Interface-Rear**
- 1 x TMDS (HDMI)
- 1 x USB 3.0
- 2 x USB 2.0
- 1 x UART (TX/RX)
- 1 x Audio out L/R
- DC input +12V~+19V
- Control signals (PWR_STATUS, PS_ON#, PB_DET, CEC, SYS_FAN)

**Storage Device**
- 1 x SATA 2.5” HDD/SSD

**Expansion**
- 1 x mini-PCIe for optional WLAN/TV tuner module
- 1 x Micro SIM Slot

**Dimensions**
- 200mm (W) x 119mm (D) x 30mm (H) (7.8” x 4.7” x 1.1”)

**Power Power Supply**
- DC power input +12V ~ +19V

**Environment**
- Operating temperature: ambient with air flow from 0°C to 45°C
- Storage temperature: -20°C to 80°C
- Humidity: 10 to 90% (non-condensing)

**Certification**
- CE/FCC Class A

**Operating System**
- Win7 (32/64bit)/Win8.1 (64bit)/Win10 (64bit)/Linux
Ordering Information

- **NDiS M535 (P/N: 10W00M53500X0)**
  6th generation Intel® Core™ i5-6440EQ BGA type processor OPS,
  Intel® QM170 chipset

- **NDiS M535-6820EQ (P/N: 10W00M53501X0)**
  6th generation Intel® Core™ i7-6820EQ BGA type processor OPS,
  Intel® QM170 chipset
Main Features

- Intel® Celeron® N2807
- Wide range DC input: from 9~36V
- Fan Less
- Front bezel compliant with IP54
- Tempered glass
- Supports Video over IP technology (Daisy Chain)
- Supports W-Fi, GPS, and 3G module

Product Overview

NDiS A322 is 21.5" 16:9 LCD with resolutions to 1920 x 1080 (Full HD) and industrial motherboard making it the perfect "AIO" Panel PC solution digital signage players. VESA mount Kit (Optional) design for easy installation almost any location, including retail outlets, supermarkets, train station, airports and Bus. It is compliant to in-vehicle industrial standard, like E/e-Mark.

Support Daisy Chain HDMI/VGA over IP technology, it let multimedia signal easy to use ONE CAT5E Cable to Extend TV Display Up to 60M or longer distance It can be maximum connected to eight displayer, but also to signal for a longer extension, the whole system more flexible.

Specifications

LCD Panel

- LCD size: 21.5" , 16:9
- Resolution: Full HD, 1920 x 1080
- Luminance: 500 cd/m²
- Contrast ratio: 3000
- LCD color: 16.7M
- Viewing angle: 89 (U), 89 (D), 89 (L), 89 (R)
- Backlight: LED

CPU Support

- Intel® Celeron® processor N2807 1.58GHz
- Fan Less
- Supports Video over IP technology (Daisy Chain)
- Supports W-Fi, GPS, and 3G module

Chipset

- Intel® Baytrail-M

Graphics

- Intel® HD Graphics

Main Memory

- 1 x 204-pin SO-DIMM socket, Supports DDR3L 1333MHz non-ECC, un-buffered memory up to 4GB

I/O Interface

- 1 x Power button

Audio

- AC97 codec: Realtek ALC622
- Two 2W Speakers

Ethernet

- LAN chip: Realtek RTL8111G LAN Chip, support Gigabit LAN
- Ethernet interface: 10/100/1000 Based-Tx Ethernet compatible

Storage

- 1 x SATA 2.5"
- 1 x mSATA (share with mini-PCIe)

Expansion

- 1 x mini-PCIe slot (Full size)
- 1 x mini-PCIe slot (Half size)

Environment

- Operating temperature: -10°C to 40°C
- Storage temperature: -20°C to 60°C
- Humidity: 10 to 90% (non-condensing)

Certification

- CE
- FCC
- E/e-Mark

NDiS A322

In-Vehicle Signage Panel PC

Powered by Intel® Celeron® Processor N2807 1.58GHz
Operating System
- Win7/Win8/Win8S/Win10/Linux

Mechanical
- Color: Pantone Black C
- Enclosure: Aluminum and Iron
- Mounting: support VESA75/100/200mm
- Ingress protection: Front bezel IP54
- Dimension: 528.46mm x 323.06mm x 58mm
- Weight: 7kg

Ordering Information
- NDiS A322 (P/N: 10W00A32200X0)
- NDiS A322T (P/N: 10W00A32201X0)
  Include 1 x Cat5 Extender for support Daisy Chain HDMI/VGA over IP technology
NDiS AC22

21.5" Full-HD Vehicle Display with CAT5 Interfaces

Main Features
- 21.5" full-HD TFT LCD panel
- Wide range DC input from 9~36V
- Front bezel compliant with IP54
- Tempered glass
- Supports Video over IP technology (Daisy Chain)

Product Overview
NDiS AC22 is 21.5" 16:9 LCD with resolutions up to 1920 x 1080 (Full HD) industrial displayers. It is a Video over IP Receiver; it also a Video over IP Extender. VESA mount Kit (Optional) designs for easy installation almost any location, including retail outlets, supermarkets, train station, airports and Bus. It is compliant to in-vehicle industrial standard, like E/e-Mark.

Support Daisy Chain HDMI/VGA over IP technology, it let multimedia signal easy to use ONE CAT5E Cable to Extend TV Display Up to 60M or longer distance. It can be maximum connected to eight displayer, but also to signal for a longer extension, the whole system more flexible.

Specifications

**LCD Panel**
- LCD size: 21.5", 16:9
- Resolution: full HD, 1920 x 1080
- Luminance: 500 cd/m²
- Contrast ratio: 3000
- LCD color: 16.7M
- Viewing angle: 89 (U), 89 (D), 89 (L), 89 (R)
- Backlight: LED

**I/O Interface**
- 1 x 9~36V, 3-pin (Power, Ignition, Ground)
- 1 x Video over Cat5 Receiver Input
- 1 x Video over Cat5 Extender Output

**Environment**
- Operating temperature: -10°C to 40°C
- Storage temperature: -20°C to 60°C
- Humidity: 10 to 90% (non-condensing)

**Certification**
- CE
- FCC
- E/e-Mark

**Mechanical**
- Color: Pantone Black C
- Enclosure: Aluminum and Iron
- Mounting: support VESA75/100/200mm
- Ingress protection: Front bezel IP54
- Dimension: 528.46mm x 323.06mm x 58mm
- Weight: 7kg
Dimension Drawing

Ordering Information

- NDiS AC22 (P/N: 10W00AC2200X0)
Product Overview

PDSB 115 is Cortex®-A17 quad core SoC, based digital signage player pre-loaded with user-friendly digital signage software, the PowerDigiS, targeting for entry-level digital signage applications. PDSB 115 is enclosed in a compact chassis with low power consumption and can be easily integrated to display device such as LCD TV or PDP at site installation. PDSB 115 is capable to layout display into multiple rectangle zones and play rich multi-media, contents on each zone in accordance with user defined schedule table. This makes the PDSB 115 work perfect for increasing digital signage applications within retail outlets, department stores, entertainment venues, restaurants, hotels, bus/train stations, schools/universities and hospitals for dynamic message, delivering, advertising, or brand promotion.

Presentation Design Tool

The presentation design tool is one of the most valuable parts of the PowerDigiS software. It helps digital signage content creator on intuitive operations to ease the output of presentation to the player. The tool provides quick screen layout design function. The screen layout can be saved as template for reuse. The tool provides an easy drag and drop method to organize contents in playlist and associate playlist to each zones in the screen layout. The tool provides handy preview function for individual content files and final presentation. The presentation design tool also integrates easy upload function to publish presentation design to removable media, central management server, or player.

User’s Benefits

- Seamless hardware and software integration for operation reliability
- Flexible display configuration
- Presentation design is simple and intuitive
- Presentation publish and scheduling is easy
- Presentation content support is rich and versatile
- Self-contained device for easy deployment
Software Specifications

Content Source
- Local disk or network server

Video File Format
- MPEG 1/2/4, AVI, WMV, DivX, XVID, VOB, MOV VC-1, H.264, rm, rmvb

Flash File Format
- SWF, FLV

Picture File Format
- JPG, BMP, PNG, ICO, ICP, GIF, TIFF, WMF

Sound Format
- MIDI, MPEG-1-Audio Layer II (MP2), mp3, SND, M4A, AAC, wav, wma, ogg, ra

Text/Data
- Banner
- RSS news feed

Screen Support
- Single display, or two clone displays
- Presentation can be segmented to different screen layouts
- Up to 9 display zones in each screen layout

Playing Effect
- Scrolling text
- Image transition effect
- Multiple languages

Content Throughput
- Up to 2 x HD video zones, or 1 x Full HD video zone, or 1 x shockwave flash zone
- Multiple pictures and scrolling text zones

Management Function
- Web-based management with password access control
- Multilingual management interface
- Presentation management
- Presentation scheduling
- System event log
- Presentation playing log
- Presentation play/pause/stop control function
- System reboot, shutdown, firmware upgrade

Presentation Design
- Presentation layout and playlist editing function
- Presentation and content file preview function
- Presentation publish function

Operating System
- Ubuntu Linux

Hardware Specifications

Storage Device
- Internal flash: default 16G Bytes eMMC flash
- 32GB SD card

Video Interface-Rear
- 1 x HDMI port

Audio Interface-Rear
- 1 x Line-out

I/O Interface-Left
- 1 x SD card slot support up to 64GB flash card
- 1 x USB 2.0

I/O Interface-Rear
- 1 x USB 2.0 OTG
- 2 x RJ45 Gigabit LAN ports
- 1 x antenna hole for Wi-Fi

LAN Interface-Rear
- 1 x RJ45 with 10/100/1000Mbps Ethernet

Power Supply
- 1 x External 15W AC/DC power adapter
  Input: 100VAC to 240VAC
  Output: DC+5VDC

Dimensions
- 118mm (W) x 101mm (D) x 23.6mm (H)

Environment
- Operating temperature: -10°C to +50°C
- Storage temperature: -20°C to +80°C
- Humidity: 10 to 95% (non-condensing)

Certification
- CE approval
- FCC Class A

Ordering Information
- PDSB 115 (P/N: 10B00011500X0)
PDSB 127

Fanless Digital Signage Player Powered by AMD G-series Processor

Product Overview
PDSB 127 is an AMD G-Series processor based digital signage player pre-loaded with user-friendly digital signage software, the PowerDigiS, targeting for advanced digital signage applications. PDSB 127 is enclosed in a compact chassis and can be easily integrated to display device such as LCD TV or PDP at site installation. PDSB 127 is capable to layout display into multiple rectangle zones and play rich multi-media contents on each zone in accordance with user defined schedule table. This makes the PDSB 127 work perfect for increasing digital signage applications within retail outlets, department store, entertainment venues, restaurants, hotels, bus/train station, schools/universities and hospitals for dynamic message delivering, digital menu board, advertising, or brand promotion.

Presentation Design Tool
The presentation design tool is one of the most valuable parts of the PowerDigiS software. It helps digital signage content creator on intuitive operations to ease the output of presentation to the player. The tool provides quick screen layout design function. The screen layout can be saved as template for reuse. The tool provides an easy drag and drop method to organize contents in playlist and associate playlist to each zones in the screen layout. The tool provides handy preview function for individual content files and final presentation. The presentation design tool also integrates easy upload function to publish presentation design to removable media, central management server, or player.

User’s Benefits
- Seamless hardware and software integration for operation reliability
- Flexible display configuration
- Presentation design is simple and intuitive
- Presentation publish and scheduling is easy
- Presentation content support is rich and versatile
- Self-contained device for easy deployment
Software Specifications

**Content Source**
- Local disk or network server

**Video File Format**
- MPEG 1/2/4, AVI, WMV, DivX, XVID, VOB, MOV VC-1, H.264, rm, rmvb

**Flash File Format**
- SWF, FLV

**Picture File Format**
- JPG, BMP, PNG, ICO, ICP, GIF, TIFF, WMF

**Sound Format**
- MIDI, MPEG-1-Audio LayerII (MP2), mp3, SND, M4A, AAC, wav, wma, ogg, ra

**Web/Data**
- Web URL
- Text files
- RSS news feed

**Screen Support**
- Single display, two clone displays, or two expanded displays, or two independent displays
- Portrait or landscape orientation
- Presentation can be segmented to different screen layouts
- Up to 9 display zones in each screen layout

**Playing Effect**
- Scrolling text and emergency message
- Image transition effect
- Multiple languages

**Content Throughput**
- Up to 2 x HD video zones or 1 x Full HD video zones
- Multiple shockwave flash, pictures, and scrolling text zones

**Management Function**
- Web-based management with password access control
- Multilingual management interface
- Presentation management
- Presentation scheduling
- System event log
- Presentation playing log
- Presentation play/pause/stop control function
- System reboot, shutdown, firmware upgrade

**Presentation Design**
- Presentation layout and playlist editing function
- Presentation and content file preview function
- Presentation publish function

**Operating System**
- Ubuntu Linux

Hardware Specifications

**Storage Device**
- 320GB SATA HDD

**I/O Interface**
- 1 x VGA; 1 x HDMI
- 1 x Audio Line-out, 1 x Mic-in
- 6 x USB
- 1 x RJ45 with LEDs for 10/100/1000Mbps Ethernet
- 2 x DB9 for RS 232

**Power Supply**
- 1 x External 96W AC/DC adapter
  Input: 100 ~ 240VAC
  Output: +12VDC

**Dimensions**
- 185mm (W) x 147mm (D) x 48.4mm (H) (7.3” x 5.8” x 1.9”)

**Environment**
- Operating temperature: ambient with air flow from 0°C to 40°C
- Storage temperature: -40°C to 80°C
- Humidity: 10 to 90% (non-condensing)
- Certification
  - CE approval
  - FCC Class A

**Ordering Information**
- PDSB 127 (P/N: 10B00B12700X0)
Product Overview

PDSB 166 is a 2nd Generation Intel® Core™ processor based digital signage player pre-loaded with user-friendly digital signage software, the PowerDigiS, targeting for entry-level digital signage applications. PDSB 166 is enclosed in a compact chassis with low power consumption and can be easily integrated to display device such as LCD TV or PDP at site installation. PDSB 166 is capable to layout display into multiple rectangle zones and play rich multi-media contents on each zone in accordance with user defined schedule table. This makes the PDSB 166 work perfect for increasing digital signage applications within retail outlets, department store, entertainment venues, restaurants, hotels, bus/train station, schools/universities and hospitals for dynamic message delivering, advertising, or brand promotion.

Presentation Design Tool

The presentation design tool is one of the most valuable parts of the PowerDigiS software. It helps digital signage content creator on intuitive operations to ease the output of presentation to the player. The tool provides quick screen layout design function. The screen layout can be saved as template for reuse. The tool provides an easy drag and drop method to organize contents in playlist and associate playlist to each zones in the screen layout. The tool provides handy preview function for individual content files and final presentation. The presentation design tool also integrates easy upload function to publish presentation design to removable media, central management server, or player.

User’s Benefits

- Seamless hardware and software integration for operation reliability
- Flexible display configuration
- Presentation design is simple and intuitive
- Presentation publish and scheduling is easy
- Presentation content support is rich and versatile
- Self-contained device for easy deployment
Software Specifications

Content Source
- Local disk or network server

Video File Format
- MPEG 1/2/4, AVI, WMV, DivX, XVID, VOB, MOV VC-1, H.264, rm, rmvb

Flash File Format
- SWF, FLV

Picture File Format
- JPG, BMP, PNG, ICO, ICP, GIF, TIFF, WMF

Sound Format
- MIDI, MPEG-1-Audio LayerII (MP2), mp3, SND, M4A, AAC, wav, wma, ogg, ra

Text/Data
- Banner
- RSS news feed

Screen Support
- Single display, or two clone displays
- Presentation can be segmented to different screen layouts
- Up to 9 display zones in each screen layout

Playing Effect
- Scrolling text
- Image transition effect
- Multiple languages

Content Throughput
- Up to 2 x HD video zones, or 1 x Full HD video zone, or 1 x shockwave flash zone
- Multiple pictures and scrolling text zones

Management Function
- Web-based management with password access control
- Multilingual management interface
- Presentation management
- Presentation scheduling
- System event log
- Presentation playing log
- Presentation play/pause/stop control function
- System reboot, shutdown, firmware upgrade

Presentation Design
- Presentation layout and playlist editing function
- Presentation and content file preview function
- Presentation publish function

Operating System
- Ubuntu Linux

Hardware Specifications

Storage Device
- 320GB SATA HDD

Video Interface-Rear
- 1 x DB15 VGA port
- 1 x HDMI port
- 1 x DVI

Audio Interface-Rear
- 1 x Line-out/1 x Line-in

I/O Interface-Front
- 1 x CF card socket
- 2 x USB 2.0
- 2 x RS-232

I/O Interface-Rear
- 2 x Serial port

LAN Interface-Rear
- 1 x RJ45 with LEDs 10/100Mbps Ethernet
- 2 x Antenna hole for WLAN

Power Supply
- 1 x External 80W AC/DC power adapter
  AC-in: 100 ~ 240VAC
  DC-out: DC+12V

Dimensions
- 250mm (W) x 195mm (D) x 40mm (H) (9.8” x 7.7” x 1.6”)

Environment
- Operating temperature: 0°C to +40°C
- Storage temperature: -20°C to +80°C
- Humidity: 10 to 90% (non-condensing)

Certification
- CE approval
- FCC Class A

Ordering Information
- PDSB 166 (P/N: 10B00B16600X0)
Product Overview

PDSB 166R is a 2nd Generation Intel® Core™ processor based digital signage player pre-loaded with PowerDigiS digital signage starter kit software, which enables users to create a compelling message and puts the power of content control in the hands of even the most basic of computer users. It uses simple templates as a starting point for users. The easy-to-use web-based content design interface allows users to key-in information and combine multimedia files to build a custom message for your business needs with a few clicks of a mouse. It makes untrained users look like designers and encourages them to use the system over traditional alternatives.

If you have an application where a continuous display of videos, images, or text is required and where the data is only changed occasionally, the starter kit provides an alternative way to upload content using a USB stick. Simply save the multimedia files to a USB stick and plug it onto the player, then the signage screen automatically starts playing the images, video, and ticker that are loaded onto the USB stick.

Major Features

- Performance player with Linux base DS client software and content design tool
- Support Dual Full HD Video Playback
- Limited content formats: mpeg video, image, and text ticker
- Support 4 media zones on the signage screen
- Simplified content design process and management function
### Software Specifications

**Content Source**
- Local disk or network server

**Video File Format**
- Mpeg4, VC1, H.264

**Picture File Format**
- JPG, BMP, PNG, ICO, ICP, GIF, TIFF, WMF

**Text/Data**
- Ticker/RSS News Feed

**Screen Support**
- Single display, or two clone displays
- Presentation can be segmented to different screen layouts
- Up to 4 zones in each screen layout

**Playing Effect**
- Scrolling text
- Image transition effect
- Multiple languages

**Content Throughput**
- Up to 2 x HD video zones, or 1 x Full HD video zone, or 1 x shockwave flash zone
- Multiple pictures and scrolling text zones

**Management Function**
- Web-based management with password access control
- Multilingual management interface
- Presentation management
- Presentation play/pause/stop control function
- System reboot, shutdown, firmware upgrade

**Presentation Design**
- Default Layout Template
- Create Time-based presentation
- Layout Preview
- USB local content update

**Operating System**
- Ubuntu Linux

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### Hardware Specifications

**Storage Device**
- 320GB SATA HDD

**Video Interface-Rear**
- 1 x DB15 VGA port
- 1 x HDMI port
- 1 x DVI

**Audio Interface-Rear**
- 1 x Line-out/1 x Line-in

**I/O Interface-Front**
- 1 x CF card socket
- 2 x USB 2.0
- 2 x RS-232

**I/O Interface-Rear**
- 2 x Serial port

**LAN Interface-Rear**
- 1 x RJ45 with LEDs 10/100Mbps Ethernet
- 2 x Antenna hole for WLAN

**Power Supply**
- 1 x External 80W AC/DC power adapter
  - AC-in: 100 ~ 240VAC
  - DC-out: DC+12V

**Dimensions**
- 250mm (W) x 195mm (D) x 40mm (H) (9.8" x 7.7" x 1.6")

**Environment**
- Operating temperature: 0°C to +40°C
- Storage temperature: -20°C to +80°C
- Humidity: 10 to 90% (non-condensing)

**Certification**
- CE approval
- FCC Class A

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### Ordering Information

- PDSB 166R (P/N: 10B00B16601X0)
**Product Overview**

PDSB 324 is Intel® Celeron® processor J1800, based digital signage player pre-loaded with user-friendly digital signage software, the PowerDigiS, targeting for entry-level digital signage applications. PDSB 324 is enclosed in a compact chassis with low power consumption and can be easily integrated to display device such as LCD TV or PDP at site installation. PDSB 324 is capable to layout display into multiple rectangle zones and play rich multi-media, contents on each zone in accordance with user defined schedule table. This makes the PDSB 324 work perfect for increasing digital signage applications within retail outlets, department store, entertainment venues, restaurants, hotels, bus/train station, schools/universities and hospitals for dynamic message, delivering, advertising, or brand promotion.

**Presentation Design Tool**

The presentation design tool is one of the most valuable parts of the PowerDigiS software. It helps digital signage content creator on intuitive operations to ease the output of presentation to the player. The tool provides quick screen layout design function. The screen layout can be saved as template for reuse. The tool provides an easy drag and drop method to organize contents in playlist and associate playlist to each zones in the screen layout. The tool provides handy preview function for individual content files and final presentation. The presentation design tool also integrates easy upload function to publish presentation design to removable media, central management server, or player.

**User’s Benefits**

- Seamless hardware and software integration for operation reliability
- Flexible display configuration
- Presentation design is simple and intuitive
- Presentation publish and scheduling is easy
- Presentation content support is rich and versatile
- Self-contained device for easy deployment
Software Specifications

Content Source
• Local disk or network server

Video File Format
• MPEG 1/2/4, AVI, WMV, DivX, XVID, VOB, MOV VC-1, H.264, rm, rmvb

Flash File Format
• SWF, FLV

Picture File Format
• JPG, BMP, PNG, ICO, ICP, GIF, TIFF, WMF

Sound Format
• MIDI, MPEG-1-Audio Layer II (MP2), mp3, SND, M4A, AAC, wav, wma, ogg, ra

Text/Data
• Banner
• RSS news feed

Screen Support
• Single display, or two clone displays
• Presentation can be segmented to different screen layouts
• Up to 9 display zones in each screen layout

Playing Effect
• Scrolling text
• Image transition effect
• Multiple languages

Content Throughput
• Up to 2 x HD video zones, or 1 x Full HD video zone, or 1 x shockwave flash zone
• Multiple pictures and scrolling text zones

Management Function
• Web-based management with password access control
• Multilingual management interface
• Presentation management
• Presentation scheduling
• System event log
• Presentation playing log
• Presentation play/pause/stop control function
• System reboot, shutdown, firmware upgrade

Presentation Design
• Presentation layout and playlist editing function
• Presentation and content file preview function
• Presentation publish function

Operating System
• Ubuntu Linux

Hardware Specifications

Storage Device
• 320GB SATA HDD

Video Interface-Rear
• 1 x DB15 VGA port
• 1 x HDMI port

Audio Interface-Rear
• 1 x Line-out
• 1 x Mic-in

I/O Interface-Front
• 1 x USB 2.0
• 1 x USB 3.0
• 1 x COM port

I/O Interface-Rear
• 2 x USB 2.0

LAN Interface-Rear
• 1 x RJ45 with LEDs 10/100/1000Mbps Ethernet

Power Supply
• 1 x External 65W AC/DC power adapter
  AC-in: 100VAC to 240VAC
  DC-out: DC+19V

Dimensions
• 180mm (W) x 150mm (D) x 25mm (H) (7.1" x 5.9" x 1"

Environment
• Operating temperature: 0°C to +40°C
• Storage temperature: -20°C to +80°C
• Humidity: 10 to 90% (non-condensing)

Certification
• CE approval
• FCC Class A

Ordering Information
• PDSB 324 (P/N: TBD)
Product Overview

PDSB 325 is Intel® Celeron® Processor N3150, based digital signage player pre-loaded with user-friendly digital signage software, the PowerDigiS, targeting for entry-level digital signage applications. PDSB 325 is enclosed in a compact chassis with low power consumption and can be easily integrated to display device such as LCD TV or PDP at site installation. PDSB 325 is capable to layout display into multiple rectangle zones and play rich multi-media, contents on each zone in accordance with user defined schedule table. This makes the PDSB 325 work perfect for increasing digital signage applications within retail outlets, department stores, entertainment venues, restaurants, hotels, bus/train stations, schools/universities and hospitals for dynamic message, delivering, advertising, or brand promotion.

Presentation Design Tool

The presentation design tool is one of the most valuable parts of the PowerDigiS software. It helps digital signage content creator on intuitive operations to ease the output of presentation to the player. The tool provides quick screen layout design function. The screen layout can be saved as template for reuse. The tool provides an easy drag and drop method to organize contents in playlist and associate playlist to each zones in the screen layout. The tool provides handy preview function for individual content files and final presentation. The presentation design tool also integrates easy upload function to publish presentation design to removable media, central management server, or player.

User’s Benefits

- Seamless hardware and software integration for operation reliability
- Flexible display configuration
- Presentation design is simple and intuitive
- Presentation publish and scheduling is easy
- Presentation content support is rich and versatile
- Self-contained device for easy deployment
Software Specifications

Content Source
- Local disk or network server

Video File Format
- MPEG 1/2/4, AVI, WMV, DivX, XVID, VOB, MOV VC-1, H.264, rm, rmvb

Flash File Format
- SWF, FLV

Picture File Format
- JPG, BMP, PNG, ICO, ICP, GIF, TIFF, WMF

Sound Format
- MIDI, MPEG-1-Audio Layer II (MP2), mp3, SND, M4A, AAC, wav, wma, ogg, ra

Text/Data
- Banner
- RSS news feed

Screen Support
- Single display, or two clone displays
- Presentation can be segmented to different screen layouts
- Up to 9 display zones in each screen layout

Playing Effect
- Scrolling text
- Image transition effect
- Multiple languages

Content Throughput
- Up to 2 x HD video zones, or 1 x Full HD video zone, or 1 x shockwave flash zone
- Multiple pictures and scrolling text zones

Management Function
- Web-based management with password access control
- Multilingual management interface
- Presentation management
- Presentation scheduling
- System event log
- Presentation playing log
- Presentation play/stop control function
- System reboot, shutdown, firmware upgrade

Presentation Design
- Presentation layout and playlist editing function
- Presentation and content file preview function
- Presentation publish function

Operating System
- Ubuntu Linux

Hardware Specifications

Storage Device
- 320GB SATA HDD

Video Interface-Rear
- 1 x DB15 VGA port
- 1 x HDMI port

Audio Interface-Rear
- 1 x Line-out
- 1 x Mic-in

I/O Interface-Front
- 2 x USB 2.0
- 2 x USB 3.0
- 2 x DB9 for RS-232

I/O Interface-Rear
- 2 x USB 3.0
- 1 x antenna hole for Wi-Fi or TV tuner

LAN Interface-Rear
- 1 x RJ45 with LEDs 10/100/1000Mbps Ethernet

Expansion
- 1 x Mini-PCIe (Full size) for optional WLAN module or TV tuner module

Power Supply
- 1 x External 63W AC/DC power adapter
  Input: 100VAC to 240VAC
  Output: DC+19VDC

Dimensions
- 226.34mm (W) x 147.4mm (D) x 29mm (H)

Environment
- Operating temperature: -20°C to 50°C
- Storage temperature: -25°C to +80°C
- Humidity: 10 to 90% (non-condensing)

Certification
- CE approval
- FCC Class A

Ordering Information
- PDSB 325 (P/N: TBD)
PDSB 535

Fanless Embedded Computer Powered by 6th Generation Intel® Core™ processor, Support 4K2K Video Playback

Product Overview

PDSB 535 is 6th Generation Intel® Core™ processor, support for 4K2K video playback on three independent displays, based digital signage player pre-loaded with user-friendly digital signage software, the PowerDigiS, targeting for high-level digital signage applications. PDSB 535 is enclosed in a compact chassis with low power consumption and can be easily integrated to display device such as LCD TV or PDP at site installation. PDSB 535 is capable to layout display into multiple rectangle zones and play rich multi-media, contents on each zone in accordance with user defined schedule table. This makes the PDSB 535 work perfect for increasing digital signage applications within retail outlets, department stores, entertainment venues, restaurants, hotels, bus/train stations, schools/universities and hospitals for dynamic message, delivering, advertising, or brand promotion.

Presentation Design Tool

The presentation design tool is one of the most valuable parts of the PowerDigiS software. It helps digital signage content creator on intuitive operations to ease the output of presentation to the player. The tool provides quick screen layout design function. The screen layout can be saved as template for reuse. The tool provides an easy drag and drop method to organize contents in playlist and associate playlist to each zones in the screen layout. The tool provides handy preview function for individual content files and final presentation. The presentation design tool also integrates easy upload function to publish presentation design to removable media, central management server, or player.

User’s Benefits

- Seamless hardware and software integration for operation reliability
- Flexible display configuration
- Presentation design is simple and intuitive
- Presentation publish and scheduling is easy
- Presentation content support is rich and versatile
- Self-contained device for easy deployment
Software Specifications

Content Source
- Local disk or network server

Video File Format
- MPEG 1/2/4, AVI, WMV, DivX, XVID, VOB, MOV VC-1, H.264, rm, rmvb

Flash File Format
- SWF, FLV

Picture File Format
- JPG, BMP, PNG, ICO, ICP, GIF, TIFF, WMF

Sound Format
- MIDI, MPEG-1-Audio LayerII (MP2), mp3, SND, M4A, AAC, wav, wma, ogg, ra

Text/Data
- Banner
- RSS news feed

Screen Support
- Single display, or two clone displays
- Presentation can be segmented to different screen layouts
- Up to 9 display zones in each screen layout

Playing Effect
- Scrolling text
- Image transition effect
- Multiple languages

Content Throughput
- Up to 2 x HD video zones, or 1 x Full HD video zone, or 1 x shockwave flash zone
- Multiple pictures and scrolling text zones

Management Function
- Web-based management with password access control
- Multilingual management interface
- Presentation management
- Presentation scheduling
- System event log
- Presentation playing log
- Presentation play/pause/stop control function
- System reboot, shutdown, firmware upgrade

Presentation Design
- Presentation layout and playlist editing function
- Presentation and content file preview function
- Presentation publish function

Operating System
- Ubuntu Linux

Hardware Specifications

Storage Device
- 320GB SATA HDD

Video Interface-Rear
- 3 x HDMI ports

Audio Interface-Rear
- 1 x Line-out
- 1 x Mic-in

I/O Interface-Front
- 2 x USB 3.0
- 2 x DB9 for RS-232

I/O Interface-Rear
- 2 x USB 3.0
- 3 x antenna holes for Wi-Fi or TV tuner

LAN Interface-Rear
- 1 x RJ45 with LEDs 10/100/1000Mbps Ethernet

Expansion
- 1 x Mini-PCIe (Full size) for optional WLAN module or TV tuner module
- 1 x NGFF (M.2) E key for optional WLAN
- 1 x SIM Slot

Power Supply
- 1 x External 96W AC/DC power adapter
  - Input: 100VAC to 240VAC
  - Output: DC+12VDC

Dimensions
- 294mm (W) x 198mm (D) x 52mm (H) (11.6” x 7.8” x 2.0”)

Environment
- Operating temperature: 0°C to +40°C
- Storage temperature: -20°C to +80°C
- Humidity: 10 to 90% (non-condensing)

Certification
- CE approval
- FCC Class A

Ordering Information
- PDSB 535 (P/N: TBD)
PDSP 2122

Fanless All-in-One 21” Digital Signage Display
Powered by Intel® Atom™ D2550 Processor Support Full HD Video Playback

Product Overview
PowerDigiS PDSP series is cost effective yet high performance all-in-one digital signage display designed to address a broad spectrum of digital signage applications. PDSP 2122 is an Intel® Atom™ D2550 based digital signage player with built-in high quality 21.5” 16:9 LCD display pre-loaded with user-friendly digital signage software, the PowerDigiS, targeting for entry-level digital signage applications. PDSP 2122 is a self-contained digital signage display and player device enclosed in a compact chassis with low power consumption. PDSP 2122 is capable to layout display into multiple rectangle zones and play rich multi-media contents on each zone in accordance with user defined schedule table. This makes the PDSP 2122 work perfect for increasing digital signage applications within retail outlets, department stores, entertainment venues, restaurants, hotels, bus/train stations, schools/universities and hospitals for dynamic message delivering, advertising, or brand promotion.

Presentation Design Tool
The presentation design tool is one of the most valuable parts of the PowerDigiS software. It helps digital signage content creator on intuitive operations to ease the output of presentation to the player. The tool provides quick screen layout design function. The screen layout can be saved as template for reuse. The tool provides an easy drag and drop method to organize contents in playlist and associate playlist to each zones in the screen layout. The tool provides handy preview function for individual content files and final presentation. The presentation design tool also integrates easy upload function to publish presentation design to removable media, central management server, or player.

User’s Benefits
- Seamless hardware and software integration for operation reliability
- Flexible display configuration
- Presentation design is simple and intuitive
- Presentation publish and scheduling is easy
- Presentation content support is rich and versatile
- Self-contained device for easy deployment
Software Specifications

Content Source
- Local disk or network server

Video File Format
- MPEG 1/2/4, AVI, WMV, DivX, XVID, VOB, MOV VC-1, H.264, rm, rmvb

Flash File Format
- SWF, FLV

Picture File Format
- JPG, BMP, PNG, ICO, ICP, GIF, TIFF, WMF

Sound Format
- MIDI, MPEG-1-Audio LayerII (MP2), mp3, SND, M4A, AAC, wav, wma, ogg, ra

Text/Data
- Banner
- RSS news feed

Screen Support
- Single display, or two clone displays
- Presentation can be segmented to different screen layouts
- Up to 9 display zones in each screen layout

Playing Effect
- Scrolling text
- Image transition effect
- Multiple languages

Content Throughput
- Up to 2 x HD video zones, or 1 x Full HD video zone, or 1 x shockwave flash zone
- Multiple pictures and scrolling text zones

Management Function
- Web-based management with password access control
- Multilingual management interface
- Presentation management
- Presentation scheduling
- System event log
- Presentation playing log
- Presentation play/pause/stop control function
- System reboot, shutdown, firmware upgrade

Presentation Design
- Presentation layout and playlist editing function
- Presentation and content file preview function
- Presentation publish function

Operating System
- Ubuntu Linux

Hardware Specifications

Storage Device
- 320GB SATA HDD

Display
- TFT LCD panel 21.5” 16:9
- 1920 x 1080 resolution
- Optional touch screen

Video Interface
- 1 x DB15 VGA (Clone)
- 1 x HDMI

Audio Interface-Rear
- 1 x Line-out
- 1 x Line-in
- 1 x Mic-in

I/O Interface
- 4 x USB 2.0
- 2 x DB9 for RS-232
- 2 x antenna holes for Wi-Fi/WWAN

LAN Interface-Rear
- 2 x RJ45 with LEDs 10/100/1000Mbps Ethernet

Expansion
- 2 x Mini-PCIe for optional WLAN module and WWAN module

Power Supply
- 1 x External 96W AC/DC power adapter
  - Input: 100VAC to 240VAC
  - Output: DC+12VDC

Dimensions
- 506.4mm (W) x 63.3mm (D) x 302.4mm (H)

Environment
- Operating temperature: 0°C to +45°C
- Storage temperature: -20°C to +75°C
- Humidity: 20 to 80% (non-condensing)

Certification
- CE approval
- FCC Class A

Ordering Information
- PDSP 2122 (P/N: TBD)
**Product Overview**

PowerDigiS PDSP series is cost effective yet high performance all-in-one digital signage display designed to address a broad spectrum of digital signage applications.

PDSP 3221 is an Intel® Atom™ D525 Dual Core based digital signage player with built-in high quality 32” 16:9 LCD display pre-loaded with user-friendly digital signage software, the PowerDigiS, targeting for entry-level digital signage applications. PDSP 3221 is a self-contained digital signage display and player device enclosed in a compact chassis with low power consumption. PDSP 3221 is capable to layout display into multiple rectangle zones and play rich multi-media contents on each zone in accordance with user defined schedule table. This makes the PDSP 3221 work perfect for increasing digital signage applications within retail outlets, department store, entertainment venues, restaurants, hotels, bus/train station, schools/universities and hospitals for dynamic message delivering, advertising, or brand promotion.

**Presentation Design Tool**

The tool is one of the most valuable parts of the PDS system, it helps content creator on intuitive operations to ease the output of presentation. Content files are automatically categorized by media type. The tool provides screen layout template design function and it can be saved for reuse. The tool also provides an easy drag and drop method to organize contents to playlist and associate playlist to each zones. Meanwhile, the tool provides preview function for content files and final presentation. Finally, the tool can integrate easy upload function to publish presentation to media player.

**User’s Benefits**

- Integrated Panel PC with impressive cost-performance ration and reliability
- Quick presentation layout and reuse
- Easy content management over local LAN and Internet
- Content deployment strategy support with scalability and flexibility
- Variety video and audio types support
- Save manpower on device deployment
Software Specifications

Content Source
- Local disk or network server

Video File Format
- MPEG 1/2/4, AVI, WMV, DivX, XVID, VOB, MOV VC-1, H.264, rm, rmvb

Flash File Format
- SWF, FLV

Picture File Format
- JPG, BMP, PNG, ICO,ICP, GIF, TIFF, WMF

Sound Format
- MIDI, MPEG-1-Audio LayerII (MP2), mp3, SND, AAC, wav, wma, ogg, ra

Web/Data
- Web URL
- Text files
- RSS news feed

Screen Support
- Single display, or two clone displays
- Portrait or landscape orientation
- Presentation can be segmented to different screen layouts
- Up to 9 display zones in each screen layout

Playing Effect
- Scrolling text and emergency message
- Image transition effect
- Multiple languages

Content Throughput
- Up to 2 x HD video zone, or 1 x Full HD video zone, or 1x shockwave flash zone
- Multiple pictures and scrolling text zones

Management Function
- Web-based management with password access control
- Multilingual management interface
- Presentation management
- Presentation scheduling
- System event log
- Presentation playing log
- Presentation play/pause/stop control function
- System reboot, shutdown, firmware upgrade

Presentation Design
- Presentation layout and playlist editing function
- Presentation and content file preview function
- Presentation publish function

Operating System
- Ubuntu Linux

Hardware Specifications

Storage Device
- 320GB SATA HDD

Display
- TFT LCD panel 32” 16:9
- 1920 x 1080 resolution
- Optional touch screen

I/O Interface
- 1 x DB15 VGA (Clone)
- 1 x Audio Line-out; 1 x Line-in; 1 x Mic-in
- 2 x RJ45 with LEDs for 10/100/1000Mbps Ethernet
- 4 x USB 2.0 ports
- 2 x DB9 for RS-232

Power Supply
- 1 x External AC/DC adapter
  Input: 100 – 240VAC
  Output: +24VDC

Dimensions
- 753mm (W) x 442.6mm (D) x 86.1mm (H) (29.6” x 17.4” x 3.4”)

Chassis Material
- Sheet Metal

Environment
- Operating temperature: ambient with air flow from 0°C to 40°C
- Storage temperature: -20°C to 75°C
- Humidity: 10 to 90% (non-condensing)

Certification
- CE approval
- FCC Class A

Ordering Information
- PDSP 3221 (P/N: 10B0P322100X0)
Main Features
- Central digital signage player device management
- Central emergent message
- Central digital signage presentation distribution
- Central digital signage presentation scheduling
- Central content management

System Overview
CMS Series is range of central management server appliances designed to improve the operation efficiency for network based digital signage displays. Equipped with feature-rich PowerDigiS central management software, CMS 1100 is capable to handle up to 100 displays digital signage operation, including device management, presentation distribution, scheduling, and emergency message. It is a perfect solution for smaller scale digital signage display network operation within hospitality, retail, public message, education, and transportation.
Software Specifications

Player Device Management
• Add/Remove/Edit PowerDigiS player
• Add/Remove/Edit player group
• Start/Stop/Pause presentation
• Player/Player group power off/reset
• Support up to 100 PowerDigiS players

Central Presentation Distribution
• Distribute presentation to player/player group
• Support scheduled distribution or real-time distribution

Central Presentation Schedule
• Schedule player/player group presentation playing time table

Central Content Management
• Hosting contents at central management without distribution to player
• Support video/image/flash content file hosting

Emergency Message
• Send emergency message to player/player group
• Support scrolling or non-scrolling text message

Software Update
• Support player/player group software update

Hardware Specifications

I/O Interface-Front
• Power status/HDD status/LAN status LEDs

I/O Interface-Rear
• 1 x Power button
• 1 x RJ45 type console port
• 2 x USB 2.0 ports
• 4 x Copper LAN ports
• 1 x PCIe slot
• 1 x VGA port

Storage Device
• 1 x 2.5" 320GB HDD
• 1 x CF socket

Chassis Dimensions
• 272mm (W) x 195mm (D) x 44mm (H) (10.7" x 7.7" x 1.7")

Weight
• Net: 2kg

Ordering Information
• CMS 1100 (P/N: 10800110000X0)
CMS 2100

Digital Signage Central Management Server
Manage up to 250 Media Players

Main Features
- Central digital signage player device management
- Central emergent message
- Central digital signage presentation distribution
- Central digital signage presentation scheduling
- Central content management

System Overview
CMS Series is range of central management server appliances designed to improve the operation efficiency for network based digital signage displays. Equipped with feature-rich PowerDigiS central management software, CMS 2100 is capable to handle up to 250 displays digital signage operation, including device management, presentation distribution, scheduling, and emergency message. It is a perfect solution for middle scale digital signage display network operation within hospitality, retail, public message, education, and transportation.
Software Specifications

Player Device Management
- Add/Remove/Edit PowerDigiS player
- Add/Remove/Edit player group
- Start/Stop/Pause presentation
- Player/Player group power off/reset
- Support up to 250 PowerDigiS players

Central Presentation Distribution
- Distribute presentation to player/player group
- Support scheduled distribution or real-time distribution

Central Presentation Schedule
- Schedule player/player group presentation playing time table

Central Content Management
- Hosting contents at central management without distribution to player
- Support video/image/flash content file hosting

Emergency Message
- Send emergency message to player/player group
- Support scrolling or non-scrolling text message

Software Update
- Support player/player group software update

Operating System
- Ubuntu Linux

Hardware Specifications

Storage Device
- 320GB SATA HDD

Video Interface-Rear
- 1 x VGA port

I/O Interface-Front
- 2 x USB 2.0
- 1 x RJ45 type console port

I/O Interface-Rear
- 1 x expansion slot (optional)
- 2 x USB 2.0 ports

LAN Interface-Front
- 8 x copper LAN ports

Expansion
- 1 x PCIe x8 slot
- 1 x LAN module (Optional Support)

Power Supply
- 250W ATX power supply

Dimensions
- 430mm x 400mm x 44mm

Environment
- Operating temperature: 0°C to +40°C
- Storage temperature: -20°C to +75°C
- Humidity: 10 to 90% (non-condensing)

Certification
- CE approval
- FCC Class A
- UL

Ordering Information
- CMS 2100 (P/N : TBD)
Product Overview

PDSB 842 is an AMD R-series Dual/Quad Processors based digital signage player pre-loaded with user-friendly digital signage software, the PowerDigiS, targeting for advanced digital signage applications. PDSB 842 is enclosed in a compact chassis and can be easily integrated to display device such as LCD TV or PDP at site installation. PDSB 842 support multiple displays output and is capable to layout displays into multiple rectangle zones and play rich multi-media contents on each zone in accordance with user defined schedule table. This makes the PDSB 842 work perfect for increasing digital signage applications within retail outlets, department store, entertainment venues, restaurants, hotels, bus/train station, schools/universities and hospitals for dynamic message delivering, digital menu board, advertising, or brand promotion.

Presentation Design Tool

The presentation design tool is one of the most valuable parts of the PowerDigiS software. It helps digital signage content creator on intuitive operations to ease the output of presentation to the player. The tool provides quick screen layout design function. The screen layout can be saved as template for reuse. The tool provides an easy drag and drop method to organize contents in playlist and associate playlist to each zones in the screen layout. The tool provides handy preview function for individual content files and final presentation. The presentation design tool also integrates easy upload function to publish presentation design to removable media, central management server, or player.

User’s Benefits

- Seamless hardware and software integration for operation reliability
- Flexible display configuration
- Presentation design is simple and intuitive
- Presentation publish and scheduling is easy
- Presentation content support is rich and versatile
- Self-contained device for easy deployment
Software Specifications

Content Source
- Local disk or network server

Video File Format
- MPEG 1/2/4, AVI, WMV, DivX, XVID, VOB, MOV VC-1, H.264, rm, rmvb

Flash File Format
- SWF, FLV

Picture File Format
- JPG, BMP, PNG, ICO, ICP, GIF, TIFF, WMF

Sound Format
- MIDI, MPEG-1-Audio LayerII (MP2), mp3, SND, M4A, AAC, wav, wma, ogg, ra

Web/Data
- Web URL
- Text files
- RSS news feed

Screen Support
- Single display, four independent displays, 4x1 Display Group, 1x4
- Display Group and 2x2 Display Group
- Portrait or landscape orientation
- Presentation can be segmented to different screen layouts
- Up to 9 display zones in each screen layout

Playing Effect
- Scrolling text and emergency message
- Image transition effect
- Multiple languages

Content Throughput
- Up to 4 HD video zones or 2 Full HD video zones
- Multiple shockwave flash, pictures, and scrolling text zones

Management Function
- Web-based management with password access control
- Multilingual management interface
- Presentation management
- Presentation scheduling
- System event log
- Presentation playing log
- Presentation play/Pause/Stop control function
- System reboot, Shutdown, Firmware upgrade

Presentation Design
- Presentation layout and playlist editing function
- Presentation and content file preview function
- Presentation publish function

Operating System
- Ubuntu Linux

Hardware Specifications

Storage Device
- 320GB SATA HDD

I/O Interface
- 1 x HDD LED
- 1 x Power LED
- +12V DC-in
- 2 x RJ45 for RS-232
- 2 x USB 3.0
- 2 x USB 2.0
- 2 x RJ45 with LEDs for 10/100/1000Mbps Ethernet
- 1 x Line-in, 1 x Line-out
- 1 x SPDIF
- 4 x HDMI
- 3 x antenna hole for Wi-Fi and TV tuner
- 1 x Power switch with LED
- 1 x Reset switch

Power Supply
- External 120W AC/DC adapter
- Input: 100 ~ 240VAC
- Output: +12VDC

Dimensions
- 280mm (W) x 230mm (D) x 44mm (H) (11.0” x9.0” x 1.7”) w/o mounting bracket

Environment
- Operating temperature: Ambient with air flow from 0°C to 40°C
- Storage temperature: -20°C to 80°C
- Humidity: 10 to 90% (non-condensing)

Certification
- CE approval
- FCC Class A

Ordering Information
- PDSB 842 (P/N: 10800B84200X0)
Product Overview

PDSB 6210 is an Intel® Atom™ processor quad core E3845 based digital signage player pre-loaded with user-friendly digital signage software, the PowerDigiS, targeting for entry-level in-vehicle digital signage applications. PDSB 6210 is enclosed in a compact chassis with low power consumption and is with special design to withstand high vibration, extreme temperature variation, and dynamic power supply voltage vehicle working environment. PDSB 6210 is capable to layout display into multiple rectangle zones and play rich multimedia contents on each zone in accordance with user defined schedule table. Integrated with state of art power ignition function, GSP, and optional 3G radio network connectivity, PDSB 6210 works perfectly for increasing digital signage applications for dynamic message delivering, advertising, or brand promotion within vehicle cabin, such as train, bus, taxi, or subway.

Presentation Design Tool

The presentation design tool is one of the most valuable parts of the PowerDigiS software. It helps digital signage content creator on intuitive operations to ease the output of presentation to the player. The tool provides quick screen layout design function. The screen layout can be saved as template for reuse. The tool provides an easy drag and drop method to organize contents in playlist and associate playlist to each zone in the screen layout. The tool provides handy preview function for individual content files and final presentation. The presentation design tool also integrates easy upload function to publish presentation design to removable media, central management server, or player.

User’s Benefits

- Seamless hardware and software integration for operation reliability
- Flexible display configuration
- Presentation design is simple and intuitive
- Presentation publish and scheduling is easy
- Presentation content support is rich and versatile
- Self-contained device for easy deployment
Software Specifications

Content Source
- Local disk or network server

Video File Format
- MPEG 1/2/4, AVI, WMV, DivX, XVID, VOB, MOV VC-1, H.264, rm, rmvb

Flash File Format
- SWF, FLV

Picture File Format
- JPG, BMP, PNG, ICO, ICP, GIF, TIFF, WMF

Sound Format
- MIDI, MPEG-1-Audio LayerII (MP2), mp3, SND, M4A, AAC, wav, wma, ogg, ra

Text/Data
- Banner
- RSS news feed

Screen Support
- Single display, or two clone displays
- Presentation can be segmented to different screen layouts
- Up to 9 display zones in each screen layout

Playing Effect
- Scrolling text
- Image transition effect
- Multiple languages

Content Throughput
- Up to 2 x HD video zones, or 1 x Full HD video zone, or 1 x shockwave flash zone
- Multiple pictures and scrolling text zones

Management Function
- Web-based management with password access control
- Multilingual management interface
- Presentation management
- Presentation scheduling
- System event log
- Presentation playing log
- Presentation play/pause/stop control function
- System reboot, shutdown, firmware upgrade

Presentation Design
- Presentation layout and playlist editing function
- Presentation and content file preview function
- Presentation publish function

Operating System
- Ubuntu Linux

Hardware Specifications

Storage Device
- 320GB SATA HDD

Video Interface-Rear
- 1 x DB15 VGA port
- 1 x DP port

Audio Interface-Rear
- 1 x Line-out
- 1 x Mic-in

I/O Interface-Front
- 1 x USB 3.0
- 4 x antenna hole for Wi-Fi or TV tuner

I/O Interface-Rear
- 2 x USB 2.0
- 1 x Antenna hole for GPS
- 2 x DB9 for RS-232
- 1 x DB-9 for RS-422/485
- 1 x DB-9 for CAN 2.0B
- 1 x 16-pin terminal block
- 1 x 12VDC output (2A), SM Bus

LAN Interface-Rear
- 2 x RJ45 with LEDs 10/100/1000Mbps Ethernet

Expansion
- 4 x Mini-PCIe for optional WLAN module or TV tuner module

Power Supply
- Input: +9~60VDC
- Output: +5V, +12VDC
- Programmable low voltage protection
- Programmable 8-level power on/off delay time

Dimensions
- 260mm (W) x 176mm (D) x 50mm (H) (10.24" x 6.93" x 1.97")

Environment
- Operating temperature: -20°C to 50°C
- Storage temperature: -35°C to 85°C
- Humidity: 10 to 90% (non-condensing)

Certification
- CE approval
- FCC Class A
- E13 Mark

Ordering Information
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