NEXCOM
The Intelligent Systems

2015
Multi-Media Solutions

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

www.nexcom.com

MMS

Multi-Media Solution

Digital Signage Player
Digital Signage Player Applance
Video Wall Signage Solutions
Passenger Signage Solutions

Corporate Information

Vertical Industry Applications

Digital Signage Player

Box Player

About NEXCOM

Reliable Partner for the Intelligent Systems

Founded in 1992 and headquartered in Taipei, Taiwan, NEXCOM is committed to being your trustworthy partner in building the intelligent systems. 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 Multi-Media Solutions (MMS), Mobile Computing Solutions (MCS), IoT Automation Solutions (IAS), Network and Communication Solutions (NCS), Intelligent Digital Security (IDS), and Medical and Healthcare Informatics (MHI). 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.

IAS	iAutomation: factory automation (FA), PPC & HMI, machine automation (MA), machine vision IoT: IoT gateway, industrial wireless solutions Intelligent System Services: embedded computer, single board computer, computer-on-module, POS, kiosk PPC, ODM/OEM services
IDS	Intelligent Digital Security: IP Cam, NVR, mobile server platform
MCS	Mobile Computing Solutions: rugged computer devices, rugged mobile computer Vehicle Telematics Computer: Car PC, train PC
MMS	Multimedia Solutions: digital signage
MHI	Medical and Healthcare Informatics: total solutions with a variety of medical IT systems
NCS	Network and Communication Solutions : network security, VoIP, HPC, telecommunication, storage, switch, industrial firewall

Corporate Vision

To become the industrial leader in providing intelligent systems, 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

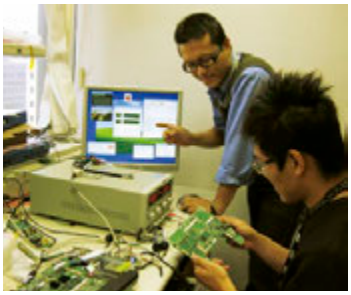
Aim to better support the activities of all its partners, NEXCOM divides its sales force into six dedicated business units to target rapidly expanding vertical markets. This enhances each business unit concentrating on strategic channel accounts and on repeat order business. Moreover, NEXCOM's business 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 Industrial 4.0 applications.

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.

In 2015, NEXCOM will expand our offerings with 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, the size of NEXCOM's R&D team has been expanded to over 166 members and remains as one of core competences of the company.

Versatile Design Capabilities

- Fanless technology for industrial computer
- High availability network security platform, blade, and cPCI
- Rugged tablet computer and car PC
- 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

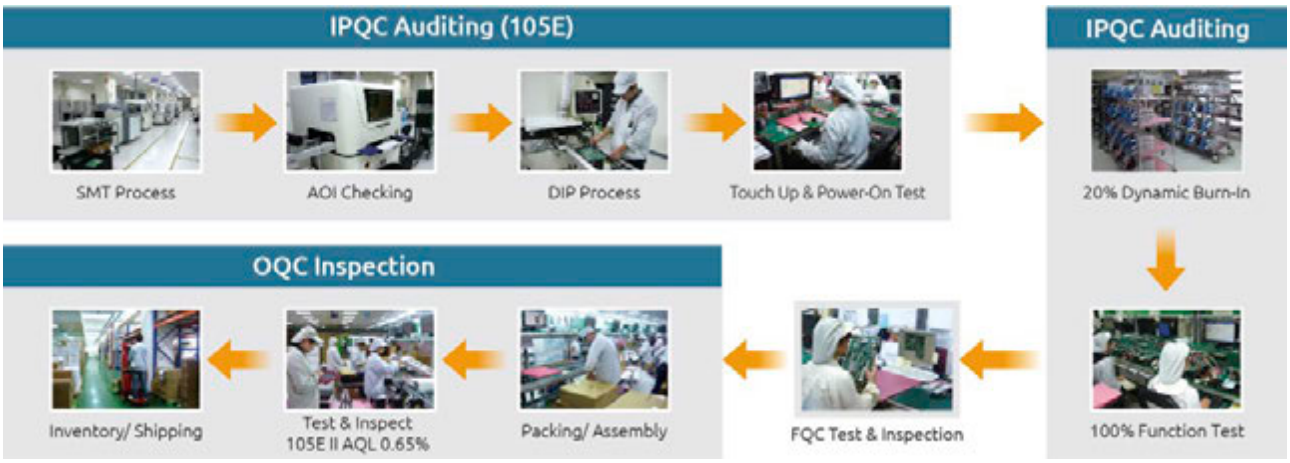
Optimal Manufacturing Efficiency

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.

NEXCOM Global Service Network

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 Original Design Manufacturing

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.

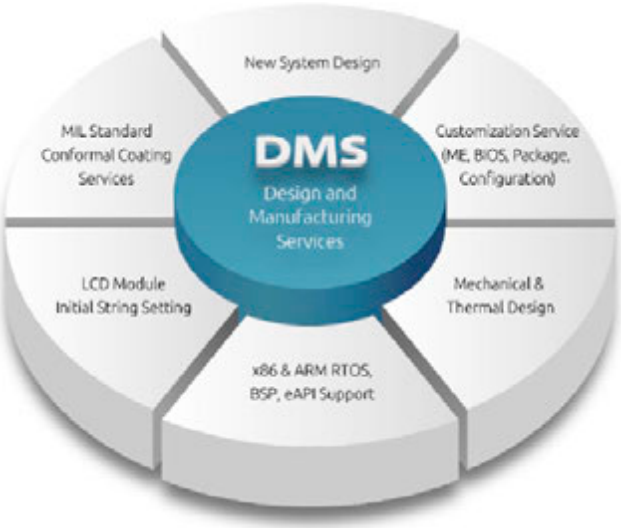
Scope of DMS Work

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.

Level 1	Logo Re-brand	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.
Level 2	Customerized Build	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.
Level 3	Manufacturing Service	Contract manufacturing. The service scope includes system assembly & burn-in, software loading & testing. MOQ and manufacturing service charge are required.
Level 4	New Project	The design of new board & system is available. NRE and quantity commitment are required.

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

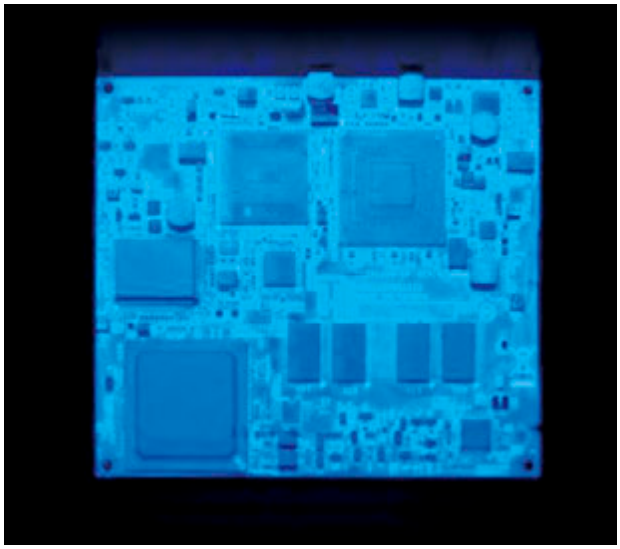
NEXCOM uses automated Conformal Coater equipment for applications that require a high level of accuracy and repeatability in moderate to high volume manufacturing environments. "State of the Art" coating line is a closed-loop robotic platform featuring optical encoder feedback on all axes.

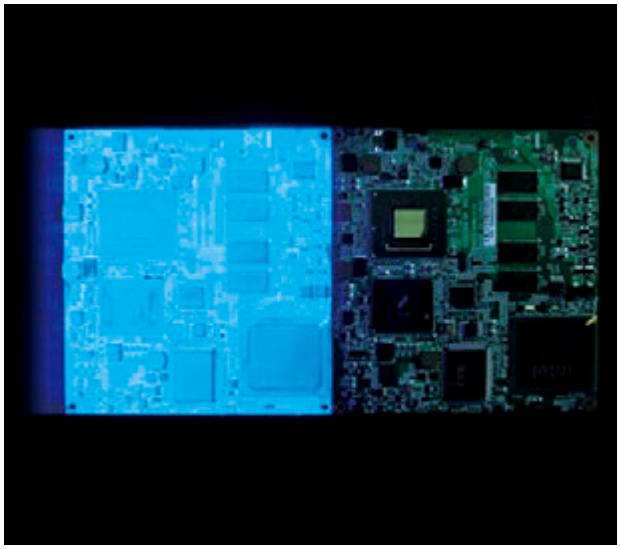
Smart Masking Technology

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.



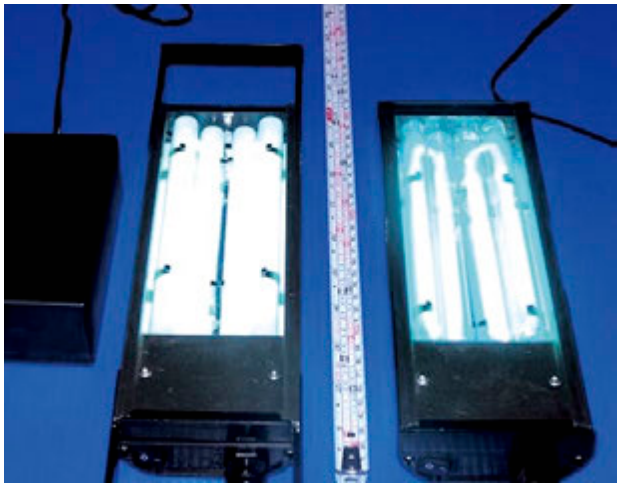


De-Coating RMA Service

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.



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.

NEXCOM follows IPC-A 610, IPC-CC-830, IPC J-STD-001E regulations to generate consistent, adjustable coating thickness and cleanliness.

Digital Signage Player

Digital Signage Makes Your Experience Different

Digital Signage or Out of Home (OOH) Digital Media is gaining in popularity and has already penetrated a wide variety of applications. Good designed digital signage solutions can deliver effective messages to target audiences and allow updating content from anywhere in the world in real time. Digital Signage offers good opportunities to generate revenue by promoting and advertising products to a specific targeted market on demand, and to build brand image by influencing customer behavior and catching their eyes. The majority of digital signage deployment occurs within passenger terminals, retail stores, super markets and restaurants; other applications within transportation and self service are also getting attentions.

A Full Spectrum of Embedded Digital Signage Player

To cope with growing digital signage application demand, NEXCOM, with decades of solid experience in industrial computing, is dedicated to providing industrial-grade and high-performance digital signage players. NEXCOM has created a full range of digital signage players, the NDiS series, to address the requirements for a broad spectrum of digital signage applications. NDiS product family covers from very low-cost, low-power consumption RISC based media player, x86 low-cost yet powerful media players, to high-end media players with multiple video outputs.

Typical Applications of Digital Signage

- Dynamic Advertising
- Brand Promoting
- Real-time Messaging
- Public Information Sharing
- Corporate Messaging
- Live Entertainment
- Digital Menu/ Poster

Features and Benefits

- PC-based platform supporting off-the-shelf hardware and software parts
- Industrial-grade design for better reliability
- Fanless design for lower maintenance cost (selected models)
- Slim and compact dimension for easy integration with large-size display devices
- Hardware accelerated playback of wide variety of media formats to lower total cost of ownership
- Flexible display output options for VGA, DVI and HDMI, single or multiple screens support
- Optimal configuration to handle SD, HD or Full HD quality of contents

Value Proposition

NDiS fanless design cuts tremendous maintenance costs by eliminating dust accumulation. Especially when a system is located at a remote site, the fanless design provides great reliability and a low failure rate. In addition, the slim and compact enclosure makes it easy for NDiS media player to be mounted behind LCD monitors or plug into mission-critical applications.

The initial cost is a tipping point for customers' choices of digital signage. Among all components, hardware costs can be cut down by deploying NDiS multi-output media players, which support more than two video outputs or dual independent content outputs. With solutions ranging from powerful servers for Digital Streaming to Digital Signage Media Players that address simple and complex applications, NEXCOM continuously innovates high-performance and cost-effective solutions to give customers a competitive advantage.

Compact & Thermal Design

- Space-saving easy installation
- Fanless eliminating noise and maintenance-free

Five-Year Lifespan Guarantee

- Ability to approach large-scale project
- Secure customer loyalty steady revenue

Cableless Design

- Easy-assembly
- Avoid cable loss during transportation

Optimized Platform

- Integrated graphic engine
- Discrete GPU

Embedded OS

- Lower price
- Customization by request

Multiple Output

- Save implementation cost
- HDMI/ DP/ DVI/ VGA

Variety of Communication

- Mini-PCIe slot for WiFi/ BT/ 3G/ GPS
- SIM slot default design

Green Earth

- Low power consumption design
- Optimize standby power

Video Wall Player

Model	 NDiS B842	 NDiS B862
CPU	AMD R-series Dual/ Quad Cord	AMD R-series Dual/ Quad Cord
Chipset	AMD 70M	AMD 70M
Graphic	AMD Radeon™ E6760	AMD Radeon™ E6760
RAM	2 x DDR3 SO-DIMM, up to 16GB	2 x DDR3 SO-DIMM, up to 16GB
LAN	x2, 10/100/1000Mbps	x2, 10/100/1000Mbps
Hard Disk	1 x 2.5" SATA	1 x 2.5" SATA
Flash Storage	SATA DOM	SATA DOM
Video Output	4 x HDMI	6 x HDMI
Display Resolution	1920 x 1080	1920 x 1080
Output Channel	4 Independent, Expanded or Clone	6 Independent, Expanded or Clone
Video Capability	Hardware Decode: MPEG1, MPEG2, VC1, H.264	Hardware Decode: MPEG1, MPEG2, VC1, H.264
Audio Output	1 x S/PDIF, 1 x Line-in, 1 x Line-out	1 x S/PDIF, 1 x Line-in, 1 x Line-out
TV Tuner	Optional	Optional
RS-232	2	2
USB 2.0	2	2
USB 3.0	2	2
Expansion Slot	2 x Mini-PCIe	2 x Mini-PCIe
Power Type	12V	12V
Dimension (mm)	280 x 230 x 44	280 x 230 x 44
OS Support	Win7 / WES7 / Win8 / WE8S / Linux	Win7 / WES7 / Win8 / WE8S / Linux

Box Player

Model						
	NDiS 111	NDiS B114	NDiS 126	NDiS 127	NDiS B323	NDiS B324
CPU	Intel® Atom™ E620	Freescale™ i.MX6 Quad, 4 x ARM® Cortex®-A9 Core 1.0GHz	Intel® Atom™ D2550	AMD G-series T56N	Intel® Celeron® 1037U	Intel® Celeron® J1800
Chipset	Intel® EG20T	N/A	Intel® NM10	AMD A55E	Intel® NM70	N/A
Graphic	Intel® GMA 600	Integrated Vivante 3D GPU IP Cores	Intel® GMA 3650	ATI HD6320	Intel® HD Graphics Nvidia 705M GPU	Intel® Gen. 7 Graphics
RAM	DDR2 1G	DDR3 1GB	DDR3 SO-DIMM, up to 4 GB	DDR3 SO-DIMM, up to 4 GB	DDR3 SO-DIMM, up to 4GB	DDR3L SO-DIMM, up to 4GB
LAN	x1, 10/100/1000Mbps	x1, 10/100/1000Mbps	x2, 10/100/1000Mbps	x1, 10/100/1000Mbps	x1, 10/100/1000Mbps	x1, 10/100/1000Mbps
WLAN	Optional	Optional	Optional	Optional	Optional	Optional
Hard Disk	1 x 2.5" SATA	1 x 2.5" SATA	1 x 2.5" SATA	1 x 2.5" SATA	1x2.5" SATA	1x2.5" SATA
Flash Storage	SATA DOM	8GB 1 x SD Card Reader	N/A	N/A	N/A	N/A
Video Output	1 x DVI-D	1 x HDMI	1 x HDMI or 1 x HDMI + 1 x VGA or 2 x HDMI	1 x VGA, 1 x HDMI	1 x VGA, 1 x HDMI 1	1 x VGA, 1 x HDMI
Display Resolution	1920 x 1080	1920 x 1200	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
Output Channel	1	1 Independent	2 Independent or Clone	2 Independent or Clone	2 Independent or Clone	2 independent or clone
Video Capability	Hardware decode: MPEG1, MPEG2, VC1, H.264	Hardware decode: MPEG2, MPEG4 SP, H.264	Hardware decode: MPEG1, MPEG2, VC1, H.264	Hardware decode: MPEG1, MPEG2, VC1, H.264	Hardware decode: MPEG1, MPEG2, VC1, H.264	Hardware Decode: MPEG1, MPEG2, VC1, H.264
Audio Output	1 x Line-in, 1 x Line-out	1 x Line-in, 1 x Line-out	1 x Line-in, 1 x Line-out	1 x Line-out, 1 x Mic-in	1 x Line-out, 1 x Mic-in	1 x Line-out, 1 x Mic-in
TV Tuner	Optional	N/A	Optional	Optional	Optional	Optional
RS-232	N/A	1 (TX, RX)	1	1	1	1
USB 2.0	2	4	6	4	2	3
USB 3.0	N/A	N/A	N/A	N/A	2	1
Expansion Slot	1 x Mini-PCIe	1 x Mini-PCIe (Half)	1 x Mini-PCIe	1 x Mini-PCIe, 1 x Mini-PCIe (Half)	1 x Mini-PCIe	1 x Mini-PCIe (Half)
Power Type	12V DC	12V DC	12V DC	12V DC	19V DC	19V DC
Dimension (mm)	179.9 x 114.9 x 37.5	140 x 124.4 x 37.6	185 x 147 x 48.4	185 x 147 x 48.4	250 x 194 x 40	180 x 150 x 25
OS Support	Win7 / XP / WES7 / WES2009	Preload Android 4.3	Win7/ WES7	Win7 / Win8 / XP / WES7 / WE8S / WES2009 / Linux	Win7 / WES7 / Win8 / WE8S / Linux	Win7 / WES7 / Win8 / WE8S / Linux

Coming Soon						Coming Soon
NDiS B325	**NDiS 163**	**NDiS 166**	**NDiS 167**	**NDiS B532**	**NDiS B533**	**NDiS B524F**
Next Gen.Intel® Celeron® Processor	Intel® Core™ 2 Duo/ Celeron® M	2nd Gen. Intel® Core™ rPGA Socket Type	2nd/3rd Gen. Intel® Core™ rPGA Socket Type	2nd/3rd Gen. Intel® Core™ rPGA Socket Type	4th Gen. Intel® Core™ LGA Socket Type	4th Gen. Intel® Core™ LGA Socket Type
N/A	Intel® GM45/ ICH9-M	Intel® QM67	Intel® QM77	Intel® QM77	Intel® Q87	Intel® H81
Intel® HD Graphics	Intel® GMA 4500MHD	Intel® HD Graphics 3000	Intel® HD Graphics 3000/4000	Intel® HD Graphics 4000	Intel® Integrated HD4600 Graphic Engine	Intel® Integrated HD4600 Graphic Engine
DDR3L SO-DIMM, up to 4GB	2 x DDR3 DIMM, up to 8GB	2 x DDR3 DIMM, up to 16GB	2 x DDR3 DIMM, up to 16GB	2 x DDR3 SO-DIMM, up to 16GB	2 x DDR3 SO-DIMM, up to 16GB	2 x DDR3 SO-DIMM, up to 16GB
x1, 10/100/1000Mbps	x1, 10/100/1000Mbps	x2, 10/100/1000Mbps	x2, 10/100/1000Mbps	x2, 10/100/1000Mbps	x2, 10/100/1000Mbps	x1, 10/100/1000Mbps
Optional	Optional	Optional	Optional	Optional	Optional	Optional
1 x 2.5" SATA	1 x 2.5" SATA	1 x 2.5" SATA	1 x 2.5" SATA	1 x 2.5" SATA	1x2.5" SATA	1x2.5" SATA
N/A	SATA DOM	SATA DOM	SATA DOM	SATA DOM	SATA DOM	SATA DOM
1 x VGA, 1 x HDMI	1 x VGA, 1 x DVI-D, 1 x HDMI	1 x VGA, 1 x DVI-D, 1 x HDMI	1 x DisplayPort, 1 x DVI-I, 1 x HDMI	3 x HDMI	3 x HDMI	2 x HDMI
1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	3840 x 2160	3840 x 2160
2 Independent or Clone	2 Independent or Clone	2 Independent or Clone	3 Independent or Clone	3 Independent or Clone	3 Independent or Clone	2 Independent or Clone
Hardware decode: MPEG1, MPEG2, VC1, H.264	Hardware Decode: MPEG1, MPEG2, VC1, H.264	Hardware Decode: MPEG1, MPEG2, VC1, H.264	Hardware Decode: MPEG1, MPEG2, VC1, H.264	Hardware Decode: MPEG1, MPEG2, VC1, H.264	Hardware Decode: MPEG1, MPEG2, VC1, H.264	Hardware Decode: MPEG1, MPEG2, VC1, H.264
1 x Line-out, 1 x Mic-in	1 x S/PDIF, 1 x Line-out, 1 x HDMI audio	1 x S/PDIF, 1 x Line-in, 1 x Line-out	1 x S/PDIF, 1 x Line-in, 1 x Line-out	1 x S/PDIF, 1 x Line-in, 1 x Line-out	1 x S/PDIF, 1 x Line-in, 1 x Line-out	1 x Line-in, 1 x Line-out
Optional	Optional	Optional	Optional	Optional	Optional	Optional
1	2	2	2	2	2	2
3	4	4	N/A	N/A	N/A	2
1	N/A	N/A	4	4	4	2
1 x mini-PCIe (half)	2 x Mini-PCIe	2 x Mini-PCIe	2 x Mini-PCIe	2 x Mini-PCIe	2 x Mini-PCIe	2 x Mini-PCIe
19V DC	12V DC	12V DC	12V DC	12V DC	12V DC	12V DC
TBD	280 x 210 x 40.7	250 x 194 x 40	250 x 194 x 40	294 x 198 x 52	294 x 198 x 52	295 x 196 x 33
Win7 / WES7 /Win8 / WE8S / Linux	Win7 / XP / WES7 / WES2009 / Linux	Win7 / Win8 / XP / WES7 / WE8S / WES2009 / Linux	Win7 / Win8 / XP / WES7 / WE8S / WES2009 / Linux	Win7 / Win8 / XP / WES7 / WE8S / WES2009 / Linux	Win7 / Win8 / XP / WES7 / WE8S / WES2009 / Linux	Win7 / Win8 / XP / WES7 / WE8S / WES2009 / Linux

OPS Module Player

Model	 NDiS M324	 NDiS M335	 NDiS M422	 NDiS M532	 NDiS M533
CPU	Intel® Celeron® J1900	Next Gen. Intel® Celeron® Processor	AMD G-series T56N	2nd/3rd Gen. Intel® Core™ rPGA Socket Type	4th Gen. Intel® Core™ i3-4100E/ i5-4400E/ i7-4700EQ
Chipset	N/A	N/A	AMD A50M	Intel® QM77	Intel® QM87
Graphic	Intel® Gen. 7 graphics	Intel® Gen. 8 Graphics	AMD Redeon™ HD6320	Intel® HD Graphics 4000	Intel® Integrated HD4600 Graphic Engine
RAM	2 x DDR3L SO-DIMM, up to 8GB	2 x DDR3L SO-DIMM, up to 8GB	DDR3 SO-DIMM, up to 4GB	2 x DDR3 SO-DIMM, up to 16GB	2 x DDR3L SO-DIMM, up to 16GB
LAN	x1, 10/100/1000 Mbps	x1, 10/100/1000 Mbps	x1, 10/100/1000 Mbps	x1, 10/100/1000 Mbps	x1, 10/100/1000 Mbps
WLAN	Optional	Optional	Optional	Optional	Optional
Hard Disk	1 x 2.5" SATA	1 x 2.5" SATA	1 x 2.5" SATA	1 x 2.5" SATA	1 x 2.5" SATA
Flash Storage	N/A	NGFF B Key SSD	N/A	N/A	N/A
Video Output	1 x HDMI, 1 x TMDS (via JAE Connector)	2 x HDMI, 1 x TMDS (via JAE connector)	1 x HDMI, 1 x TMDS (via JAE connector)	1 x HDMI, 1 x TMDS (via JAE Connector) 1 x DP (via JAE Connector)	1 x HDMI, 1 x TMDS (via JAE Connector), 1 x DP (via JAE Connector)
Display Resolution	1920 x 1080	3840 x 2160	1920 x 1080	1920 x 1080	3840 x 2160
Output Channel	2 Independent or Clone	3 Independent or Clone	2 Independent or Clone	2 Independent or Clone	2 Independent or Clone
Video Capability	Hardware Decode: MPEG2/4, VC1, H.264, VP8	Hardware decode: MPEG2/4, VC1, H.264/H.265, VP8	Hardware Decode: MPEG1, MPEG2, VC1, H.264	Hardware Decode: MPEG1, MPEG2, VC1, H.264	Hardware Decode: MPEG2, VC1, H.264,
Audio Output	1 x Mic-in, 1 x Line-out, 1 x Line-out (via JAE Connector)	1 x Mic-in, 1 x Line-out, 1 x Line-out (via JAE connector)	1 x Line-in, 1 x Line-out, 1 x Line-out (via JAE Connector)	1 x S/PDIF, 1 x Line-in, 1 x Line-out	1 x Mic-in, 1 x Line-out, 1 x Line-out (via JAE Connector)
TV Tuner	Optional	Optional	Optional	Optional	Optional
RS-232	N/A	TX/RD (via JAE connector)	1 (RJ45 Connector)	2	1(RJ45 Connector)
USB 2.0	3 (1 x External, 2 x via JAE Connector)	4 (2 x External, 2 x via JAE connector)	5 (2 x External, 3 x via JAE Connector)	N/A	2(2 x via JAE connector)
USB 3.0	4(3 x External, 1 x via JAE connector)	3 (2 x External, 1 x via JAE connector)	N/A	4	5(4 x External, 1 x via JAE connector)
Expansion Slot	1 x Mini-PCIe	1 x Mini-PCIe 1 x MGFF (M2) B key	1 x Mini-PCIe	2 x Mini-PCIe	1 x Mini-PCIe
Power Type	12-19V DC (via JAE Connector)	12-19V DC (via JAE connector)	12-19V DC (via JAE Connector)	12V DC	12-19V DC (via JAE Connector)
Dimension (mm)	200 x 119 x 30	200 x 119 x 30	200 x 119 x 30	294 x 198 x 52	200 x 119 x 30
OS Support	Win7 / WES7 / Win8 / WE8S / Linux	Win7 / WES7 / Win8.1 (64bit) / WE8S / Linux	Win7 / Win8 / XP / WES7 / WE8S / WES2009 / Linux	Win7/ Win8 / XP / WES7 / WE8S / WES2009 / Linux	Win7 / Win8 / XP / WES7 / WE8S / WES2009 / Linux

AIO PPC & Display

Model	 NDiS A322	 NDiS AC22
LCD Size	21.5"	21.5"
Resolution	1920 x 1080	1920 x1080
Brightness	250 cd/m^2	250 cd/m^2
Contrast Ratio	3000	3000
Viewing Angle	178/178	178/ 178
Mounting	VESA/Vehicle mount	VESA/Vehicle mount
Dimension	TBD	TBD
Power Input	DC 9V ~ 36V	DC 9V ~ 36V
Optional Communication	WiFi/WWAN/GPS	N/A
Optional	Video over CAT5	Video over CAT5
CPU	Intel® Celeron® N2807	N/A
Memory	DDR3L SO-DIMM, up to 4GB	N/A
Storage Interface	1 x 2.5" SSD 1 x mSATA	N/A
USB	2 x USB2.0	N/A
COM	1 x COM	N/A
Ethernet	1 x 10/100/1000 Mbps	N/A
Audio	1 x Line-out	N/A
Expension	1 x Mini-PCIe (Full) 1 x Mini-PCIe (Half)	N/A
Certification	CE, FCC Class A, e13	CE, FCC Class A, e13
Operation Temperature	-10°C ~ 50°C	-10°C ~ 50°C
OS Support	Win7 / WES7 / Win8 / WE8S / Linux	Win7 / WES7/ Win8 / WE8S / Linux

2015 New Products

NDiS B325

Fanless Embedded Computer System Powered by New Generation Intel® Celeron® Processor

- New generation Intel® Celeron® processor
- Support 4K2K
- Low power consumption
- Compact and fanless

Coming Soon

NDiS M335

Embedded Computer Power by New Generation Intel® Celeron® Processor Based OPS Digital Signage Platform

- New generation Intel® Celeron® processor
- Support 3 independent 4K2K video out
- Compact and Slim design
- Easy maintain and update

NDiS A322

In-Vehicle Signage Panel PC
Powered by Intel® Celeron® Processor N2807 1.58GHz

- Intel® Celeron® N2807 processor
- Wide range DC input from 9~36V
- Front bezel compliant with IP54
- Vandal proof glass
- Supports W-Fi, GPS, and 3G module

NDiS B114

Digital Signage Player
Powered by ARM® Cortex®-A9 Processor

- On board Cortex®-A9 SoC
- Full HD video support
- Fanless and slim design
- HDMI output

Coming Soon

NDiS B524F

High Performance Embedded Computer Powered by 4th Gen. Intel® Core™ Processor, Support Dual Full-HD Video Playback

- 4th generation Intel® Core™ processor
- Intel® integrated HD 4600 graphic engine
- 2 independent display
- USB 3.0, Dual GbE LAN support

NDiS AC22

In-vhicle Signage Display

- 21.5" daisy chain extended display
- Wide range DC input from 9~36V
- Front bezel compliant with IP54
- Vandal proof glass

NDiS 102

Digital Signage Player

Powered by ARM® Cortex®-A8 RISC Processor

Main Features

- On board Cortex®-A8 SoC
- Full HD video support
- Fanless and slim design
- Dual HDMI output
- mini-PCIe slot support Wi-Fi module

Product Overview

Powered by ARM® Cortex®-A8 RISC MPU, NDiS 102 can play rich multi-media contents with low power consumption. NDiS 102 is enclosed in a compact chassis and can be easily integrated to display devices, such as LCD TV or PDP at site installation with dual HDMI display output, Giga LAN and WLAN support. NDiS 102 is suitable as an entry level digital signage player for advertising, messaging, and brand promotion.

Specifications

Processor
- On board TI DM8148 1GHz ARM® Cortex®-A8 RISC MPU Up to 750-MHz c674x VLIM DSP

Memory
- Support DDR3-1333 1GB memory on board

Multi-Media
- Support SGX530 graphic accelerator
- Codec engine: HDVICP2
- Hardware Decode: MPEG 4 ASP/SP, H.264 BL/MP/HP, VC-1 SP/MP/AP, RV9/10, AVS-1.0 and ON2 VP6.2/VP7

I/O Interface-Front
- Power button
- Power/HDD LED
- mini-PCIe LED

I/O Interface-Rear
- 2 x HDMI
- 2 x USB 2.0
- 1 x RJ45 with LED, Gigabit LAN port
- 1 x RJ45 for RS-232
- +12V DC-in
- 1 x Line-in
- 1 x Line-out

Storage
- 1 x SATA 3.0 connector
- 1 x 4-pin + 1 x 2-pin SATA power connector
- 1 x microSD socket

Serial Port
- 2 x COM port pin header

USB
- 1 x USB pin header

Connectivity
- One Internal accessible SIM card slot for WWAN

Expansion
- 1 x mini-PCIe, support wireless LAN module

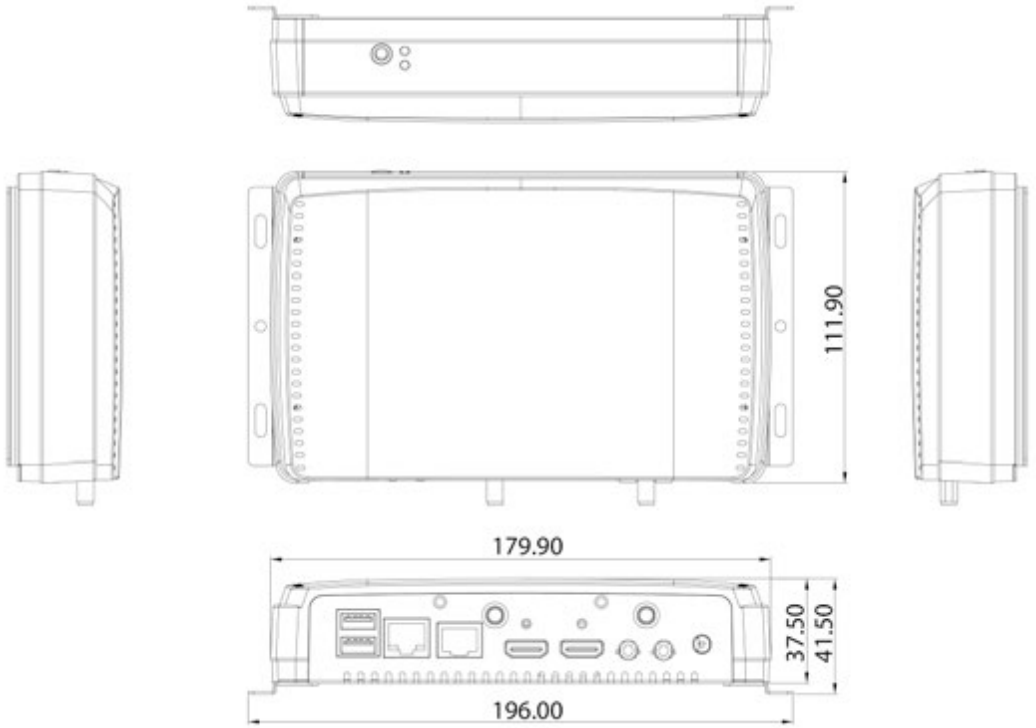
Dimension
- 179.9mm (W) x 114.9mm (D) x 37.5mm (H) w/o mounting bracket

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

Operating System
- Linux 2.6.x

Dimension Drawing



Ordering Information

- **NDiS 102 (P/N: 10W00010200X0)**
  TI DM8148 1GHz Cortex®-A8 RISC system, BSP included

NDiS 111

Fanless Embedded Computer Powered by Intel® Atom™ E620

Main Features

- Intel® Atom™ E620 platform
- Ultra low power consumption
- Slim and fanless
- Hyper-threading support
- TV tuner/WLAN support

Product Overview

Powered by Intel® Atom™ E620, NDiS 111 can play rich multi-media contents with low power consumption. NDiS 111 is enclosed in a compact chassis and can be easily integrated to display devices, such as LCD TV or PDP at site installation with DVI display, Giga LAN, TV tuner and WLAN support. NDiS 111 is suitable as an entry level digital signage player for advertising, messaging, and brand promotion.

Specifications

CPU Support
- Intel® Atom™ E620 600 MHz CPU onboard

Chipset
- Intel® EG20T PCH
- Intel® integrated graphic engine

Main Memory
- Onboard 1Gb DDR2 RAM

I/O Interface-Front
- 1 x LED power-on
- 1 x LED storage
- 1 x on/off power switch

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

Storage
- 1 x SATA DOM socket

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

Dimensions
- 179.9mm (W) x 114.9mm (D) x 37.5mm (H) w/o mounting bracket

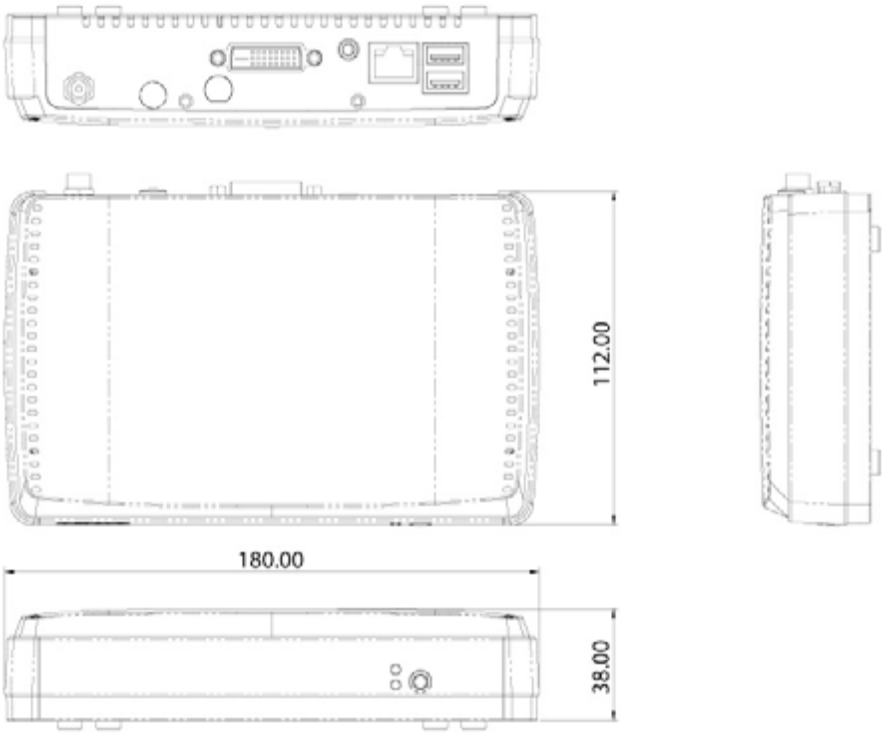
Power Supply
- 1 x External 50W AC/DC power adaptor
  Input: 100 ~ 240VAC
  Output: +12VDC

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
- Windows 7/XP/WES7/WES2009

Dimension Drawing



Ordering Information

- **NDiS 111 (P/N: 10W00011100X0)**
  Intel® E620 processor onboard, Intel® EG20T PCH

NDiS 126

Fanless Embedded Computer

Powered by Intel® Atom™ Processor D2550 Support Full HD Video Playback

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
- 1 x Line-out (NDiS 126V/NDiS 126H)
- 1 x Line-in (NDiS 126V)

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

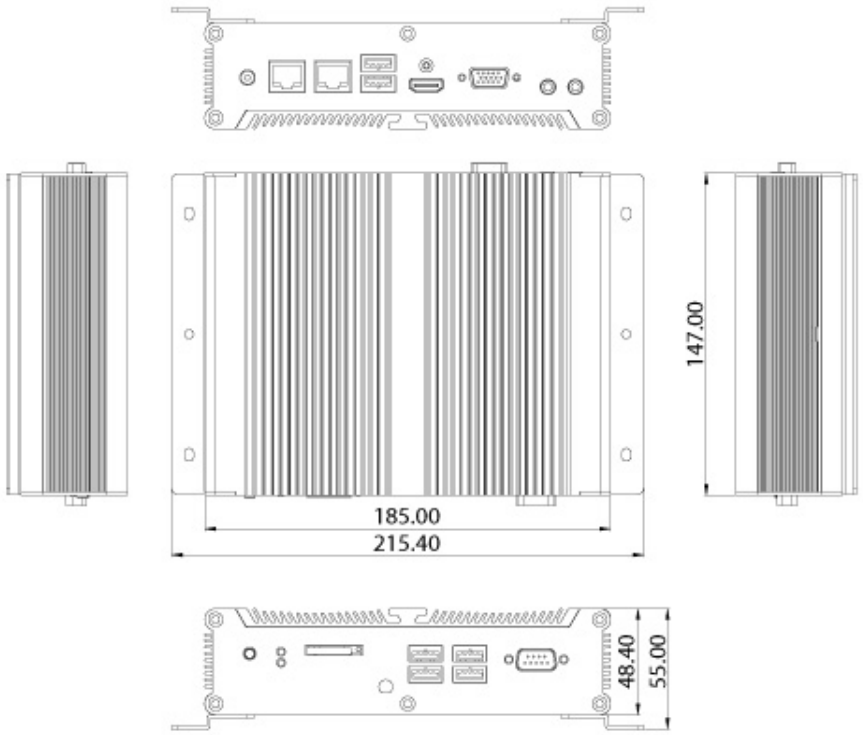
Expansion
- 1 x mini-PCIe for optional WLAN/TV tuner module

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
- Windows 7 (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

NDiS 127

Fanless Digital Signage Player Powered by AMD G-series APU

Main Features

- AMD G-series T56N 1.65GHz Dual Core APU
- Integrated AMD Radeon™ HD6320 GPU
- Fanless and compact design
- Low power consumption
- 2 x mini-PCIe slot for TV tuner/WLAN support
- 4 x USB ports
- DirectX® 11 support

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 requriement 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 A55E 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

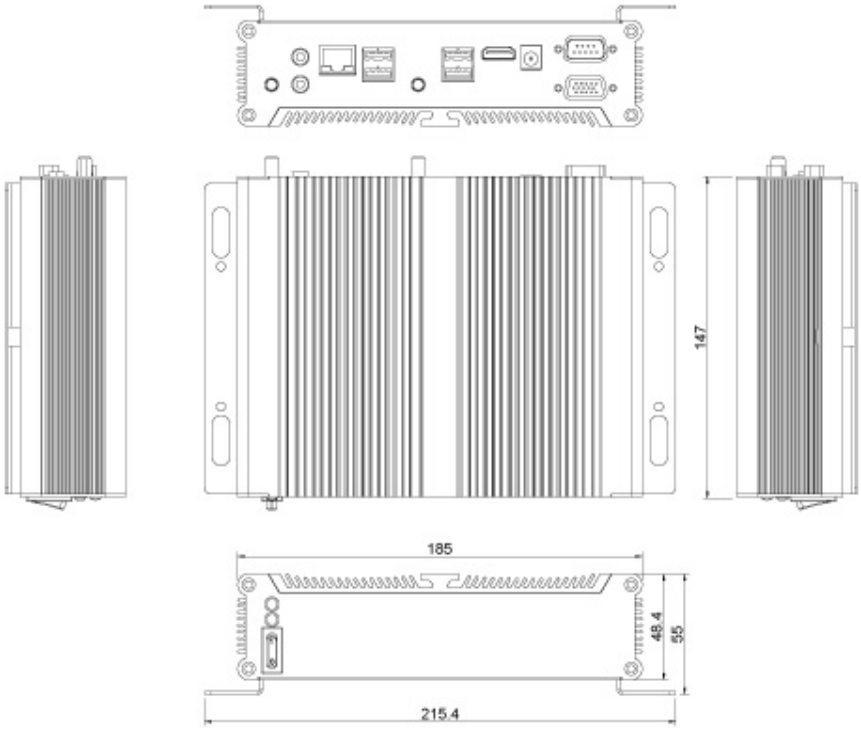
Expansion
- 1 x Full mini-PCIe for optional WLAN/TV tuner module
- 1 x half mini-PCIe for optional WLAN/TV tuner module

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
- Windows 7/XP/WES7/WES2009/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

NDiS B114

Digital Signage Player
Powered by ARM® Cortex®-A9 Processor

Main Features

- On board Cortex®-A9 SoC
- Full HD video support
- Fanless and slim design
- HDMI output

Product Overview

Powered by ARM® Cortex®-A9 RISC MPU, NDiS B114 can play rich multi-media contents with low power consumption. NDiS B114 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, Giga LAN. NDiS B114 is suitable as an entry level digital signage player for advertising, messaging, and brand promotion.

Specifications

Processor
- Freescale™ i.MX6Quad, 4 x ARM® Cortex®-A9 core 1.0GHz

Memory
- Support DDR3 1GB memory on board

Multi-Media Processing
- Integrated Vivante 3D GPU IP Cores. Max 1920 x 1200 on HDMI. Full HD encode & decode engine

I/O Interface – Front
- 1 x SD card slot support up to 32GB flash card
- 3.5mm stereo headphone jack
- 3.5mm mono microphone jack
- Power switch button
- LED indicators: Power

I/O Interface – Rear
- 1 x HDMI 1.4 output
- 4 x USB 2.0 port
- 1 x RJ45 Gigabit LAN port
- 1 x Wi-Fi antenna connector
- DC12V power input jack

Storage
- 1 x SD card socket
- 1 x SATA connector with power header
- Internal Flash: default 8G Bytes eMMC flash

Serial Port
- 1 x RS-232 Tx/Rx header

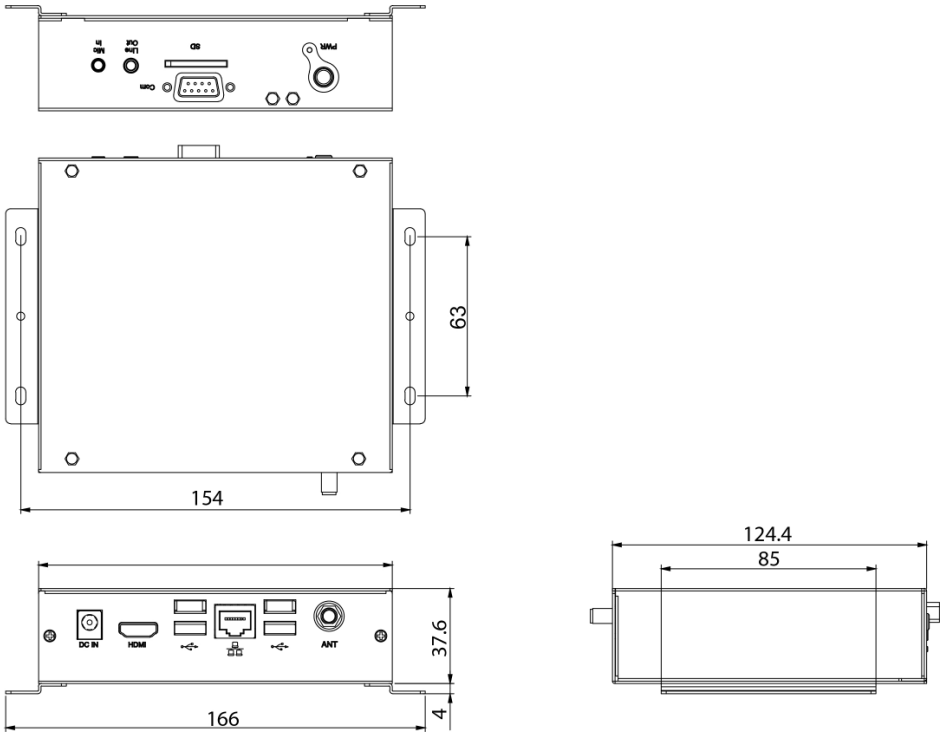
Network
- 1 x half mini-PCIe socket for wireless module
- 1 x RJ45 Gigabit LAN port

Dimension
- 140mm(W) x 124.4mm (D) x 37.6mm(H)

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)

Operating System
- Android 4.3

Dimension Drawing



Ordering Information

- **NDiS B114 (P/N: TBD)**
  Freescale™ i.MX6Quad, 4 x ARM® Cortex®-A9 core 1.2GHz

NDiS B323

Fanless Embedded Computer
Powered by Intel® Celeron® Processor 1037U

Main Features

- Intel® Celeron® processor 1037U with NVIDIA® 705M GPU
- HDMI and VGA independent displays
- USB 3.0 support
- WLAN support
- Compact and fanless design

Product Overview

Powered by Intel® Celeron® processor 1037U NDiS B323 can handle very rich multimedia contents. With Intel® Core™ processor low power consumption feature, NDiS B323 supports display output by HDMI and VGA ports. NDiS B323 is ideal as entry level digital signage player for advertising, hospitality and brand promotion application

Specifications

CPU Support
- Intel® Celeron® processor 1037U 1.8GHz

Chipset
- Intel® NM70

Graphics
- Intel® HD graphics
- NVIDIA® 705M GPU

Main Memory
- 1 x 204-pin SO-DIMM socket, supports DDR3 1333/1600 MHz non-ECC, un-buffered memory up to 8GB

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

I/O Interface-Rear
- 19V DC Power in
- 1 x VGA
- 1 x HDMI
- 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 SATA 2.5" HDD

Dimensions
- 250mm (W) x 194mm (D) x 40mm (H) (9.9" x 7.6" x 1.6") w/o mounting bracket

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

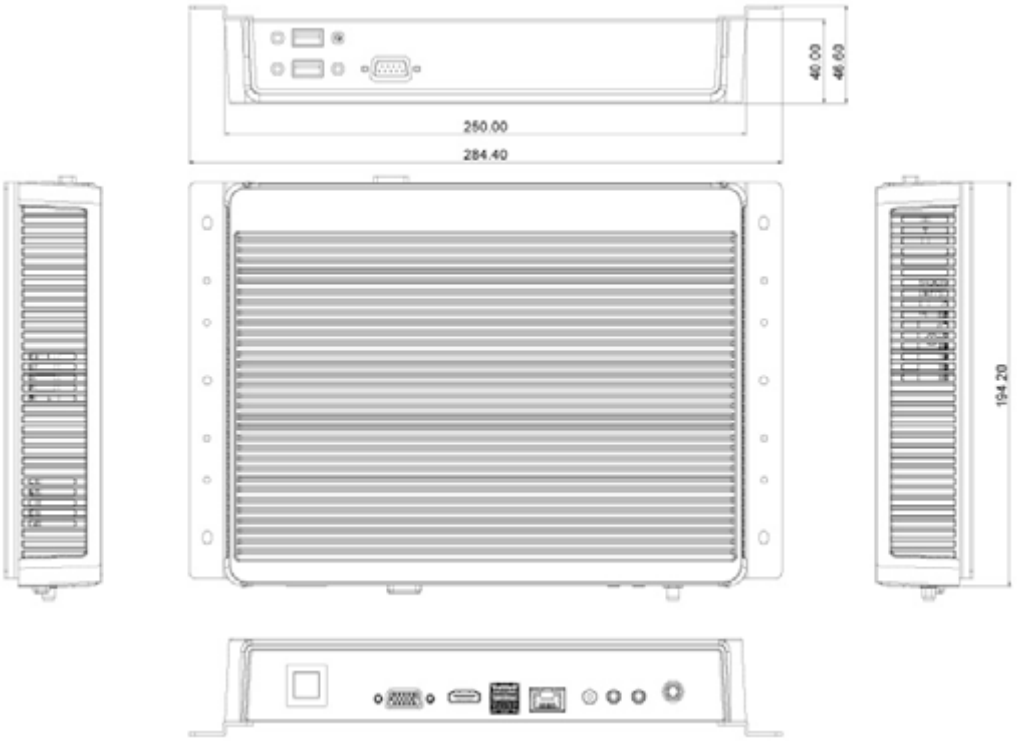
Expansion
- 1 x mini-PCIe slot (full-size)

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/WES7/Win8/WE8S/Linux

Dimension Drawing



Ordering Information

- **NDiS B323 (P/N: 10W00B32300X0)**
  Intel® Celeron® processor 1037U with NVIDIA® 705M GPU

NDiS B324

Fanless Embedded Computer

Powered by Intel® Celeron® Processor J1800

Main Features

- Intel® Celeron® processor J1800
- HDMI and VGA independent displays
- USB 3.0 support
- WLAN support
- Compact and fanless design

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.

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, un-buffered 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

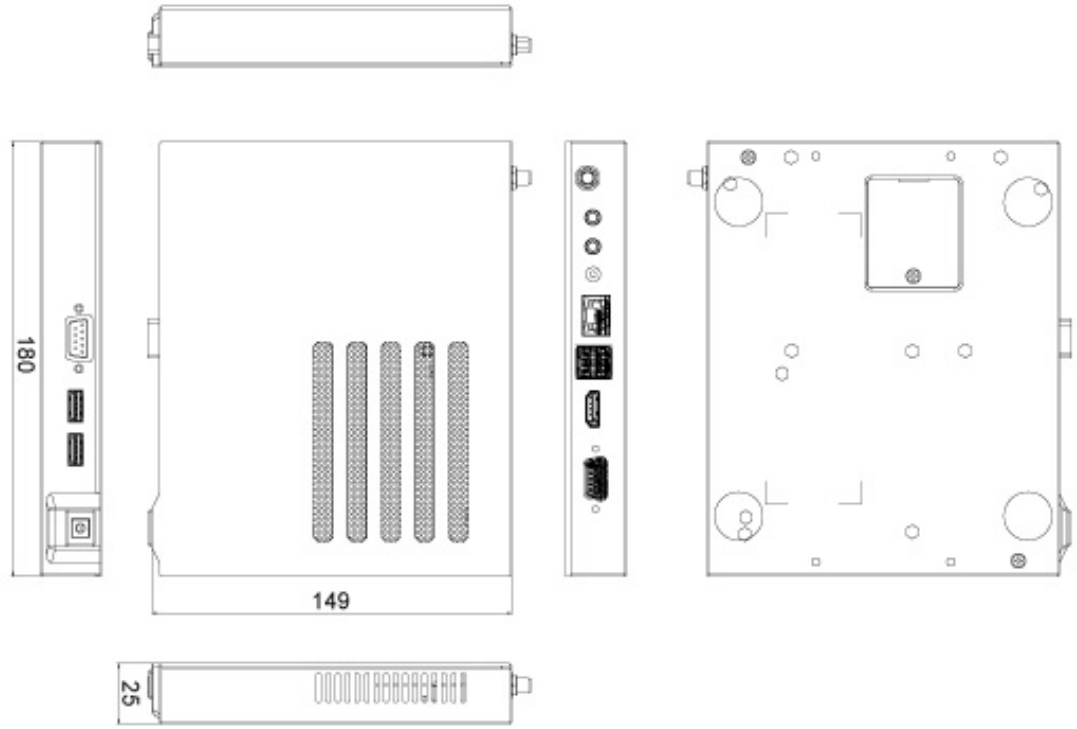
Expansion
- 1 x mini-PCIe slot (half-size)

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/WES7/Win8/WE8S/Linux

Dimension Drawing



Ordering Information

- **NDiS B324 (P/N: TBD)**
  Intel® Celeron® J1800 2.41GHz

NDiS B325

Fanless Embedded Computer
Powered by New Generation Intel® Celeron® Processor

Coming Soon

Main Features

- New generation Intel® Celeron® processor
- HDMI and VGA independent displays
- USB 3.0 support
- WLAN support
- Compact and fanless design

Product Overview

Powered by new generation Intel® Celeron® processor, NDiS B325 digital signage player can handle very rich multimedia contents. With new generation 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
- New generation Intel® Celeron® processor

Chipset
- New generation Intel® chipset

Graphics
- Intel® HD Graphics

Main Memory
- 1 x 204-pin SO-DIMM socket, supports DDR3L non-ECC, un-buffered 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
- TBD

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/WES7/Win8/WE8S/Linux

Dimension Drawing

Coming Soon

Ordering Information

- **NDiS B325 (P/N: TBD)**

NDiS 163

Fanless Embedded Computer Powered by Intel® Core™ 2 Duo/ Celeron® M, Support Full HD Video Playback

Main Features

- Intel® Core™ 2 Duo/Celeron® platform
- Intel® GM 4500MHD graphic engine
- Compact and fanless
- Dual independent display
- WLAN and TV tuner support

Product Overview

NDiS 163 is specially designed to be mounted behind the large-size display device such as LCD TV or PDP. NDiS 163 supports dual display output by DVI, HDMI or VGA. The NDiS 163 operates on Intel® Core™ 2 Duo, Celeron® family processors with 1066/667 MHz, GM45 integrated graphics controller. NDiS 163 can smoothly playback variety of Full HD video. NDiS 163 is ideal as advanced digital signage player for advertising, hospitality, brand promotion and digital menu board application.

Specifications

CPU Support
- Intel® Core™ 2 Duo/Celeron® family processors with 1066/667 MHz

Chipset
- Intel® GM45
- Intel® 82801IBM I/O controller Hub

Main Memory
- 2 x 240-pin DIMM sockets, Supports DDR3 1066/800/667MHz non-ECC, un-buffered memory up to 8GB (single socket max. 4GB)

I/O Interface-Front
- 2 x USB 2.0
- 2 x RS-232
- GPIO terminal port (4 in, 4 out)

I/O Interface-Side
- 1 x +12V DC-in
- 2 x LED for PW & HDD
- 1 x on/off power switch
- 1 x VGA
- 1 x DVI-D
- 1 x HDMI
- 2 x USB 2.0
- 1 x RJ45 with LED for 10/100/1000Mbps Ethernet
- 1 x SPDIF
- 1 x Line-out
- 2 x Antenna hole for Wi-Fi & TV tuner

Storage
- 1 x SATA 2.5" HDD bay
- 1 x SATA DOM socket

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

Dimensions
- 280mm (W) x 210mm (D) x 40.4mm (H) (11" x 8.3" x 1.6") w/o mounting bracket

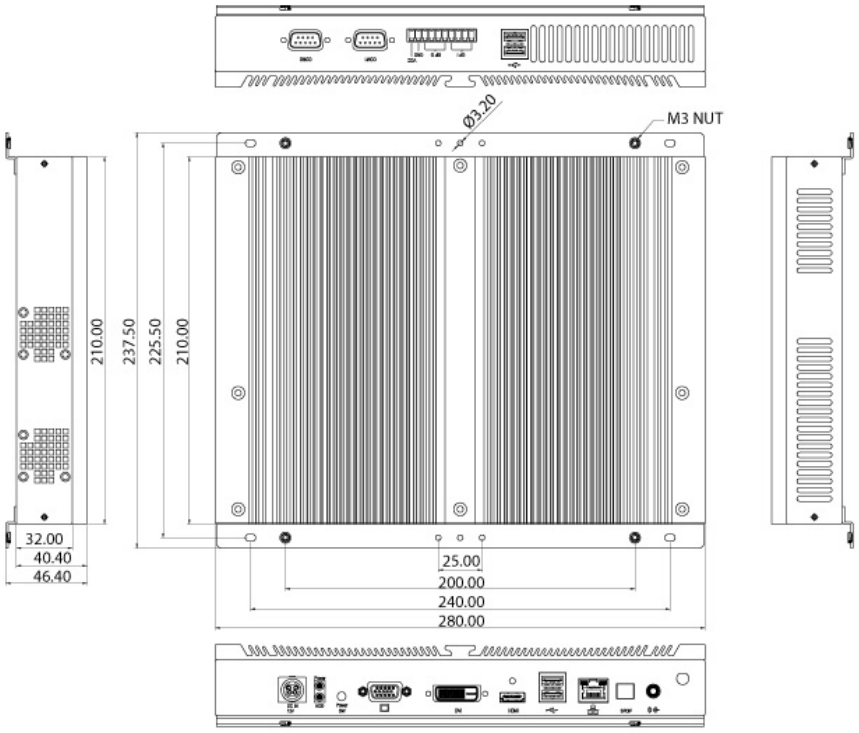
Construction
- Top cover made by aluminum for main heat exchange
- Chassis made by steel in black

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

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

Certification
- CE approval
- FCC Class A

Dimension Drawing



Operating System

- Windows 7/XP/WES7/WES2009/Linux

Ordering Information

- **NDiS 163 (P/N: 10W00016300X0)**
  Intel® Core™ 2 Duo, Celeron® family processors
  Intel® GM 45/Intel® ICH9-M

NDiS 165

Embedded Computer Powered by AMD R-series Dual/Quad Processors,
Support 3 Independent HDMI Displays

Main Features

- AMD R-series Platform
- Slim and compact design
- 3 x HDMI
- Removable fan module
- 2 x USB 3.0 support
- WLAN and TV tuner support
- DirectX® 11 support

Product Overview

NDiS 165 player is a powerful digital signage player which is built around the superb technology of AMD embedded R-Series APU family. The digital signage player can offer impressive system performance and full HD videos. With support for smooth 1080P video playback on the 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
- AMD R-series Dual/Quad processors

Chipset
- AMD Hudson-M3 A70M Fusion Controller Hub
- AMD Integrated Radeon™ 7000 Series 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
- 3 x HDMI
- 3 x antenna hole for Wi-Fi and TV tuner
- 1 x Power switch with LED
- 1 x Reset switch

Storage Device
- 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

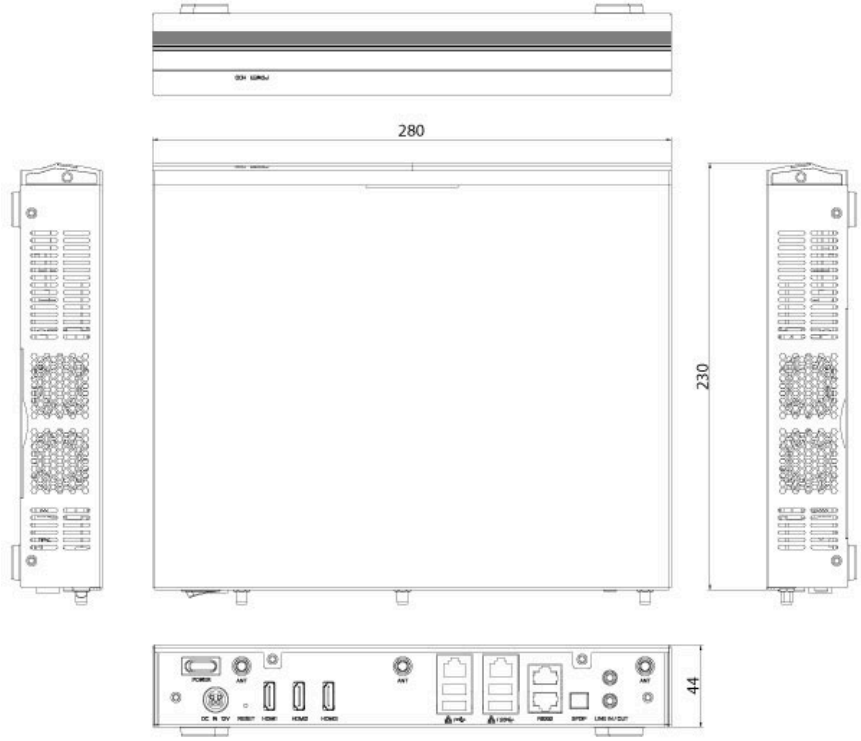
Power Supply
- External 96W AC/DC adapter
  Input: 100 ~ 240VAC
  Output: +12VDC

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

Certification
- CE approval
- FCC Class A

Operating System
- Win7/WES7/Win8/WE8S/Linux

Dimension Drawing



Ordering Information

- **NDiS 165 (P/N: 10W00016500X0)**
  AMD R-series Dual/Quad processors, AMD Hudson-M3 A70M chipset

NDiS 166

Fanless Embedded Computer Powered by 2nd Gen. Intel® Core™ Processor, Support Dual Full HD Video Playback

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

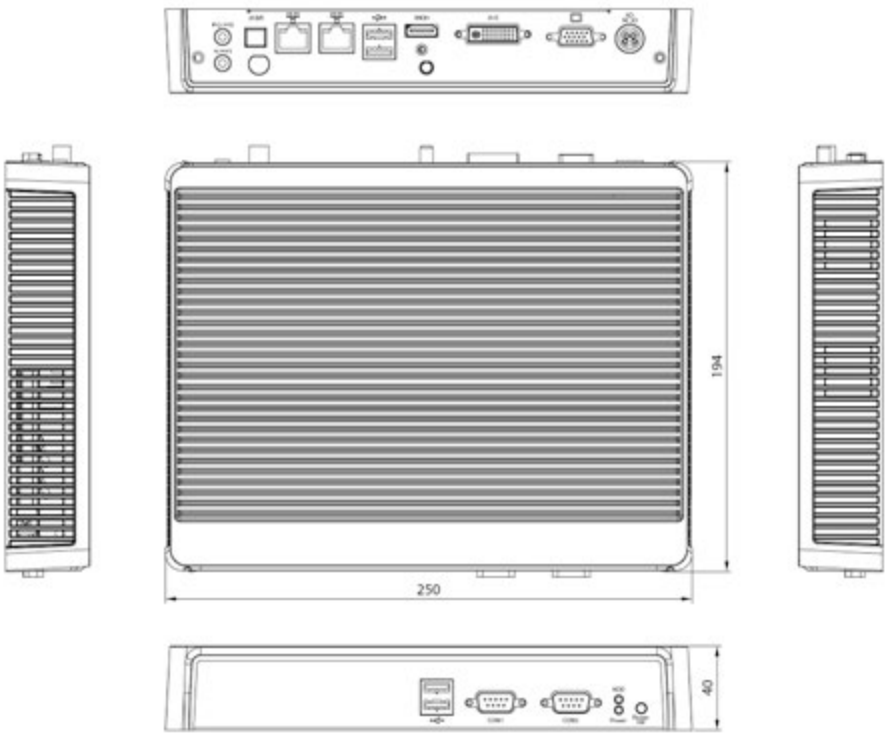
Power Supply
- 1 x External 80W AC/DC power adaptor
  Input: 100 ~ 240VAC
  Output: +12VDC

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/WE8S/WES2009/Linux

Dimension Drawing



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

NDiS 167

Embedded Computer Powered by 3rd Gen. Intel® Core™ Processor,
Support Dual Full HD Video Playback

Main Features

- 3rd generation Intel® Core™ processor
- Intel® integrated HD 4000 graphic engine
- Intel® AMT 8.0 Support
- 3 Independent display
- USB 3.0, Dual GbE LAN support
- WLAN/TV tuner support
- DirectX® 11 support

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.

Specifications

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

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

Main Memory
- 2 x 240-pin 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
- 1 x Display port
- 1 x DVI-I
- 1 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

Dimensions
- 250mm (W) x 194mm (D) x 40mm (H) (9.9" 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

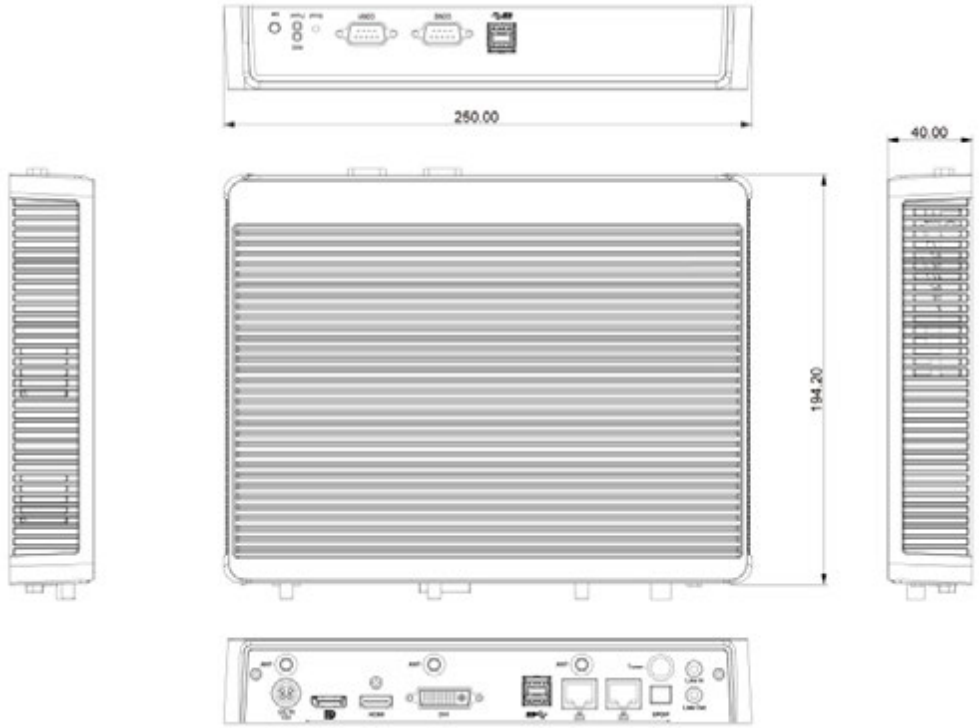
Power Supply
- 1 x External 80W AC/DC adapter
  Input: 100 ~ 240VAC
  Output: +12VDC

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/WE8S/WES2009/Linux

Dimension Drawing



Ordering Information

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

NDiS B524F

High performance Embedded Computer Powered by
4th Gen. Intel® Core™ Processor, Support Dual Full HD Video Playback

Coming Soon

Main Features

- 4th generation Intel® Core™ processor
- Intel® integrated HD 4600 graphic engine
- Compact and slim design
- 2 independent display
- USB 3.0, Dual GbE LAN support
- WLAN/TV tuner support
- DirectX 11.1 support

Product Overview

NDiS B524F is a powerful digital signage player which is built around the superb technology of 4th generation Intel® Core™ processor family series and H81 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® H81
- Intel® integrated HD4600 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 HDD status LED
- 1 x power switch w/LED
- 2 x DB9 for RS-232

I/O Interface-Rear
- +12V DC-in
- 2 x HDMI
- 2 x USB3.0
- 2 x USB3.0
- 1 x reset switch
- 1 x RJ45 with LED for 10/100/1000Mbs Ethernet
- 1 x Line-in
- 1x Line-out

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

System Management
- Watch dog

Dimensions
- TBD

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

Dimension Drawing

Coming Soon

Ordering Information

- **NDiS B524F (P/N: TBD)**

NDiS B532

Fanless Embedded Computer Powered by 3rd Gen. Intel® Core™ Processor, Support Dual Full HD Video Playback

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

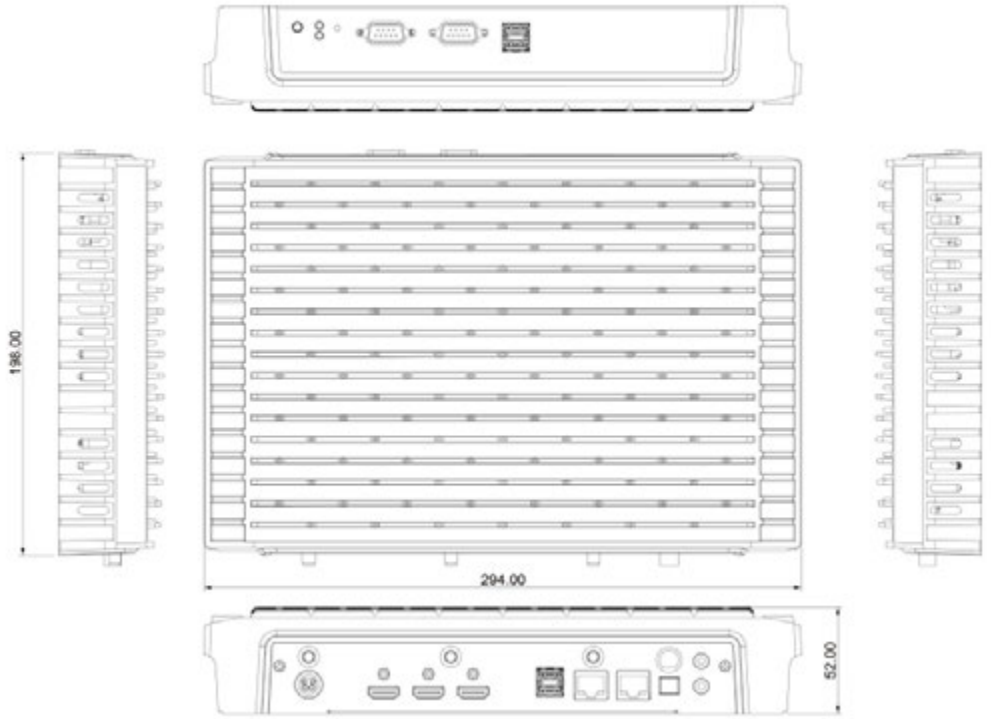
Construction
- Top cover made by aluminum for main heat exchange
- Chassis made by steel in black

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)

Dimension Drawing



Certification
- CE approval
- FCC Class A

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

Ordering Information

- **NDiS B532 (P/N: 10W00B53200X0)**
  3rd generation Intel® Core™ processor (up to 35W) fanless system, Intel® QM77 chipset

NDiS B533

Fanless Embedded Computer Powered by 4th Gen. Intel® Core™ Processor, Support Dual Full HD Video Playback

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-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/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

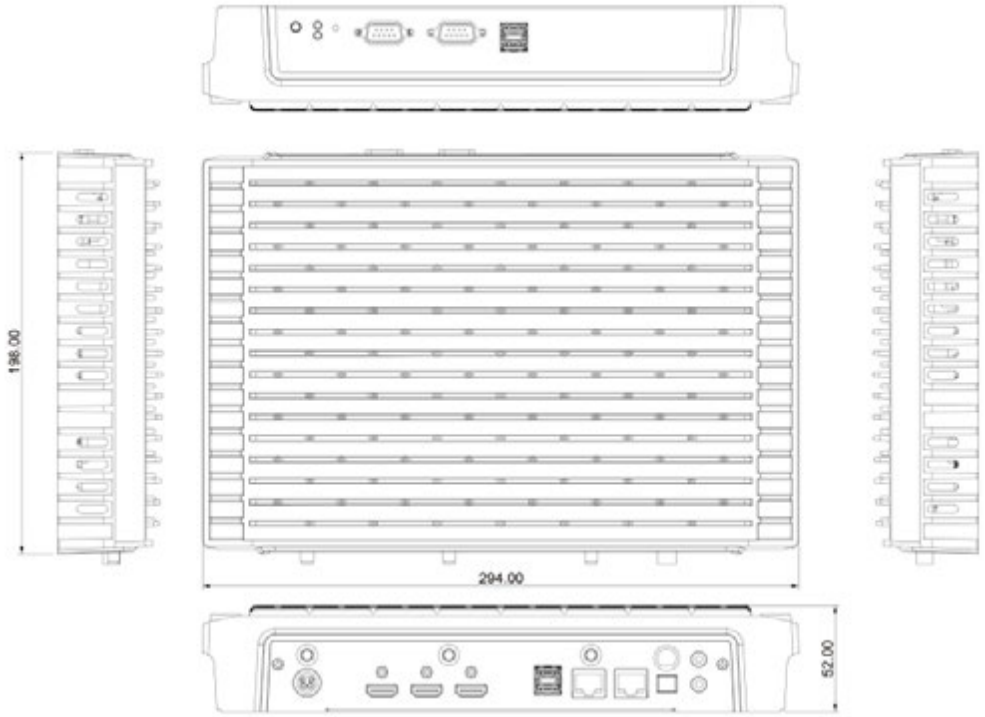
Construction
- Top cover made by aluminum for main heat exchange
- Chassis made by steel in black

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)

Dimension Drawing



Certification
- CE approval
- FCC Class A

Operating System
- Windows7/Windows 8

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

NDiS B842

Multi-Display Embedded Computer Powered by AMD R-series Dual/ Quad Processors, Support 4 Independent HDMI Displays

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" x9.0" x 1.7") w/o mounting bracket

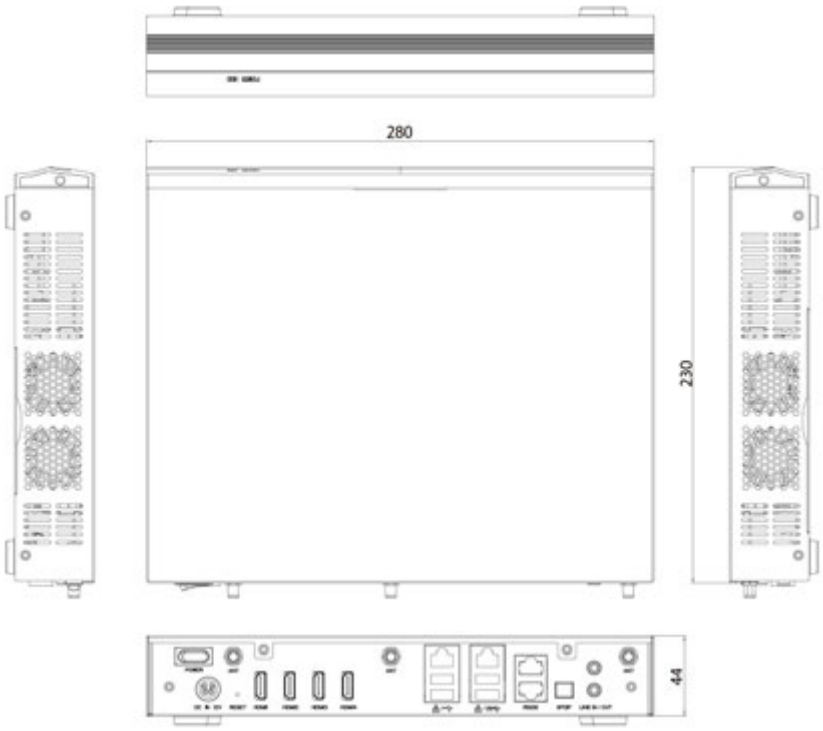
Power Supply
- External 120W AC/DC adapter
  Input: 100 ~ 240VAC
  Output: +12VDC

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

Certification
- CE approval
- FCC Class A

Operating System
- Win7/WES7/Win8/WE8S/Linux

Dimension Drawing



Ordering Information

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

NDiS B862

Multi-Display Embedded Computer
Powered by AMD R-series Dual/Quad Processors

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

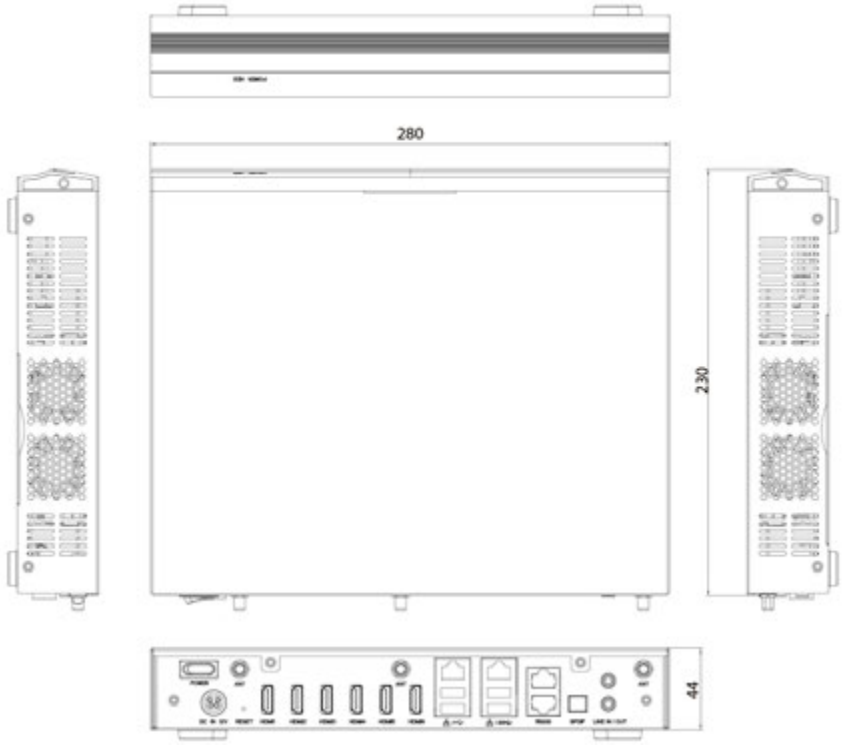
Power Supply
- External 120W AC/DC adapter
- Input: 100 ~ 240VAC
- Output: +12VDC

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

Certification
- CE approval
- FCC Class A

Operating System
- Win7/WES7/Win8/WE8S/Linux

Dimension Drawing



Ordering Information

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

NDiS OPS-M50

2nd Gen. Intel® Core™-Based OPS Digital Signage Platform
Support COM Express Type II Module

Main Features

- Embedded Intel® Core™ i5-2515E Dual Core processor
- Intel® HD integrated graphics 3000
- Designed compliant with open pluggable standard
- COM Express architecture, easy scalability
- Slot-in integration, easy maintenance
- Supports TMDS, UART, and USB 2.0 via JAE 80-pin connector
- TV tuner/WLAN support

Product Overview

NDiS OPS-M50 is specifically designed to be compliant with OPS (Open Pluggable Standard). NDiS OPS-M50 provides COM Express architecture slot with optional COM Express Type II module scalability, slide in 2.5" SATA Slim SSD for storage. NDiS OPS-M50 operates on high performance Intel® Core™ i5-2515E Dual Core processor. NDiS OPS-M50 is powerful media player for digital signage applications demonstrate high impact contents in compact size and perfect match with panel.

Specifications

COM Express Board
- NEXCOM ICES 267S COM Express Card

CPU Support
- Onboard Intel® Core™ i5-2515E Dual Core processor

Chipset
- Intel® QM67/HM65 PCH

Graphic
- Intel® HD graphics 3000
- Intel® dynamic video memory allocation

Main Memory
- 1 x 204-pin SO-DIMM sockets, Supports DDR3 1333/1066MHz non-ECC , un-buffered memory up to 8GB

I/O Interface-Front
- 1 x Power status LED (Green)
- 1 x HDD status LED (Yellow)
- 1 x Power button
- 1 x Reset button
- 1 x DB9 for RS-232
- 2 x USB port
- 1 x Audio Line-in
- 1 x Audio Line-out
- 1 x VGA port (DB15)
- 1 x RJ45 with LEDs for 10/100/1000Mbps Ethernet
- 2 x Antenna hole for Wi-Fi or TV tuner module

I/O Interface-Rear (OPS Standard Signal)
- Standard connector type: JAE TX25 Plug Connector
- Power input: 12V ~ 19V
- 1 x TMDS/1 x UART/3 x USB Port
- Audio: Line-out L/R
- Control signals: power status/PS_ON/PB_DET/CEC/SYS_FAN

Storage Device
- 1 x 22-pin SATA right angle connector for slide in 2.5" SATA slim SSD

Expansion
- 2 x mini-PCIe for optional WLAN/TV tuner module
- Support wake on WLAN feature

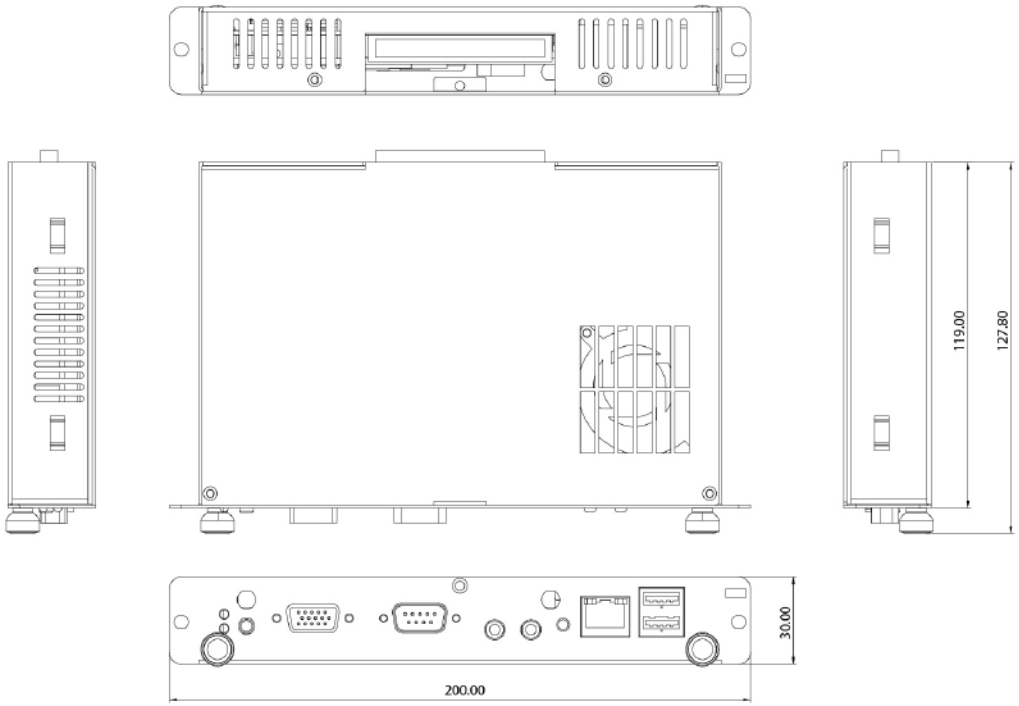
Dimensions
- 200mm (W) x 119mm (D) x 30mm (H) (7.8" x 4.7" x 1.1")

Power Power Supply
- DC power +12V ~ 19V from docking board
- Input: +12VDC connector for test used

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

Dimension Drawing



Operating System

- Win7/Win8/XP/WES7/WE8S/WES2009/Linux

Ordering Information

- **NDiS OPS-M50 (P/N: 10W000OPS00X0)**
  NEXCOM ICES-267S COM Express card
  Onboard Intel® Core™ i5-2515E Dual Core processor
  Intel® QM67/HM65 PCH

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 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
- 3 x USB 3.0
- 1 x USB 2.0
- 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

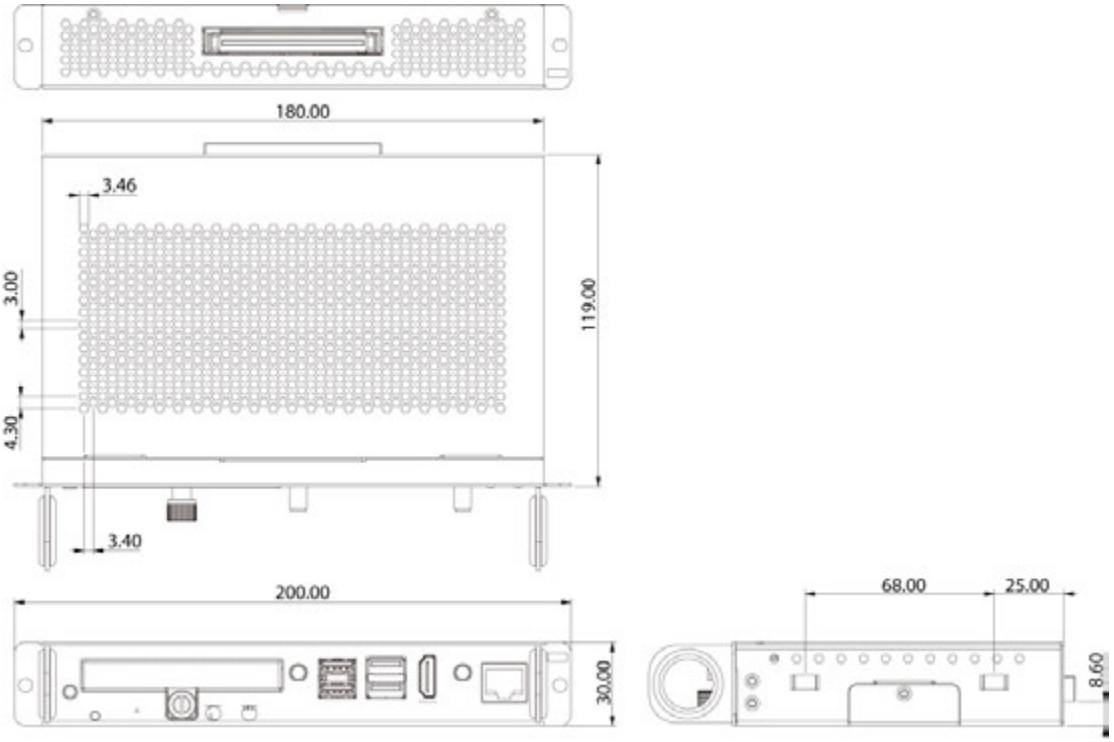
Environment

- 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

Dimension Drawing



Operating System

- Win7/WES7/Win8/WE8S/Linux

Ordering Information

- **NDiS M324(P/N: 10W00M32400X0)**
  Intel® Celeron® J1900 processor SoC OPS

NDiS M335

Embedded Computer Power by New Gen. Intel® Celeron® Processor

OPS-based Digital Signage Platform

Coming Soon

Main Features

- New generation Intel® Celeron® processor
- Support 3 independent 4K2K video out
- Support SATA, NGFF type storage
- Compact and Slim design
- Easy maintain and update

Product Overview

NDiS M335 OPS player, which follows the electrical and mechanical specifications of the Open Pluggable Specification, is based on new generation Intel® Celeron® processor. NDiS M335 can be plugged into any OPS-complaint 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 network 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 base on the result of audience measurement to deliver accurate marketing messages.

Specifications

CPU Support

- New generation Intel® Celeron® processor

Graphic

- Integrated Intel® gen.8 graphics

Main Memory

- 2 x 204 pin SO-DIMM socket, support DDR3L 1600MHz 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 USB3.0
- 2 x USB2.0
- 2 x HDMI
- 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 MGFF(M2) B key slot, support 2242 SSD

Expansion

- 1 x mini-PCIe 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")

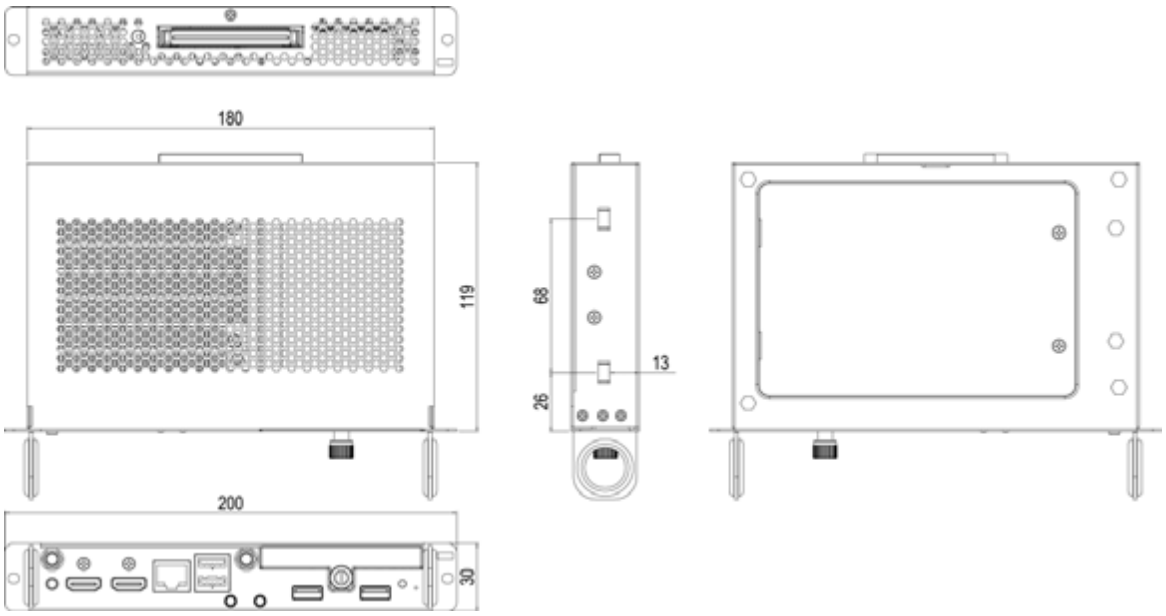
Power Power Supply

- 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)

Dimension Drawing



Certification
- CE approval
- FCC Class A

Operating System
- Win 7/WES7/Win8.1(64bit)/WE8S/Linux

Ordering Information

- **NDiS M335 (P/N: 10W00M33500X0)**
  New generation Intel® Celeron® processor OPS digital signage platform

NDiS M422

AMD Embedded G Series -Based OPS Digital Signage Platform

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

I/O Interface-Rear
- 1 x TMDS
- 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")

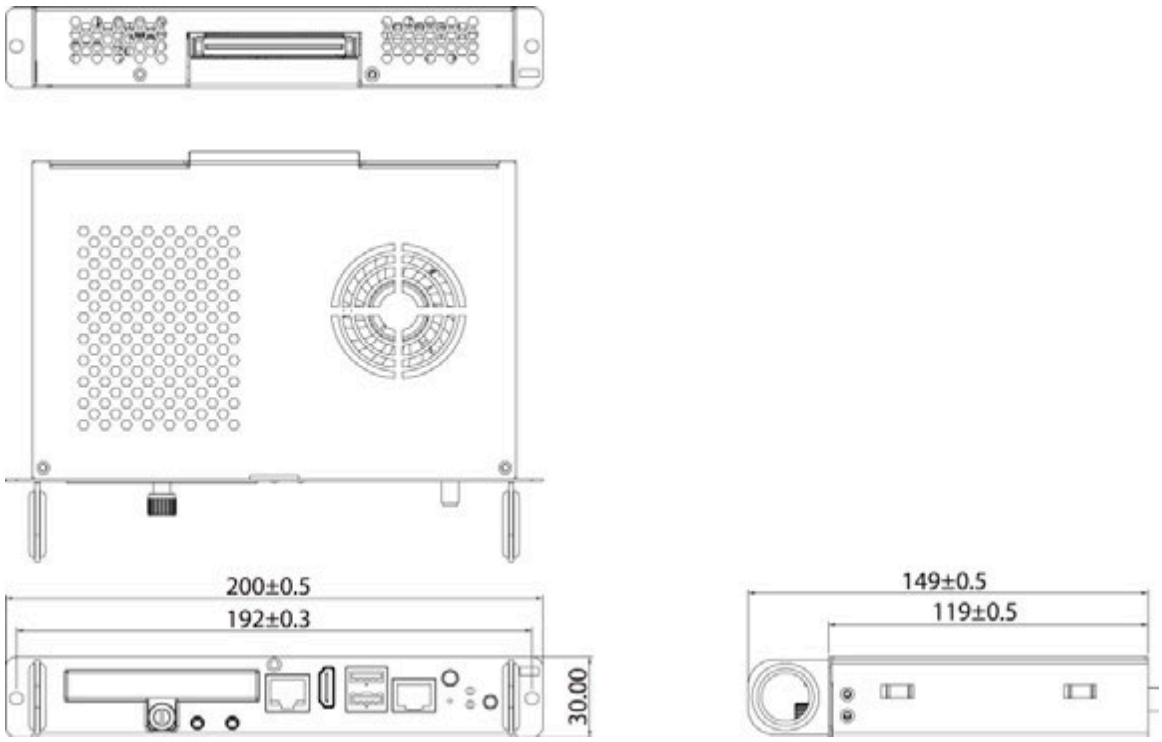
Power Power Supply
- DC power input +12V ~ 19V

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/WE8S/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

NDiS M532

Embedded Computer Powered by 3rd Gen. Intel® Core™ Processor, Based OPS Digital Signage Platform

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")

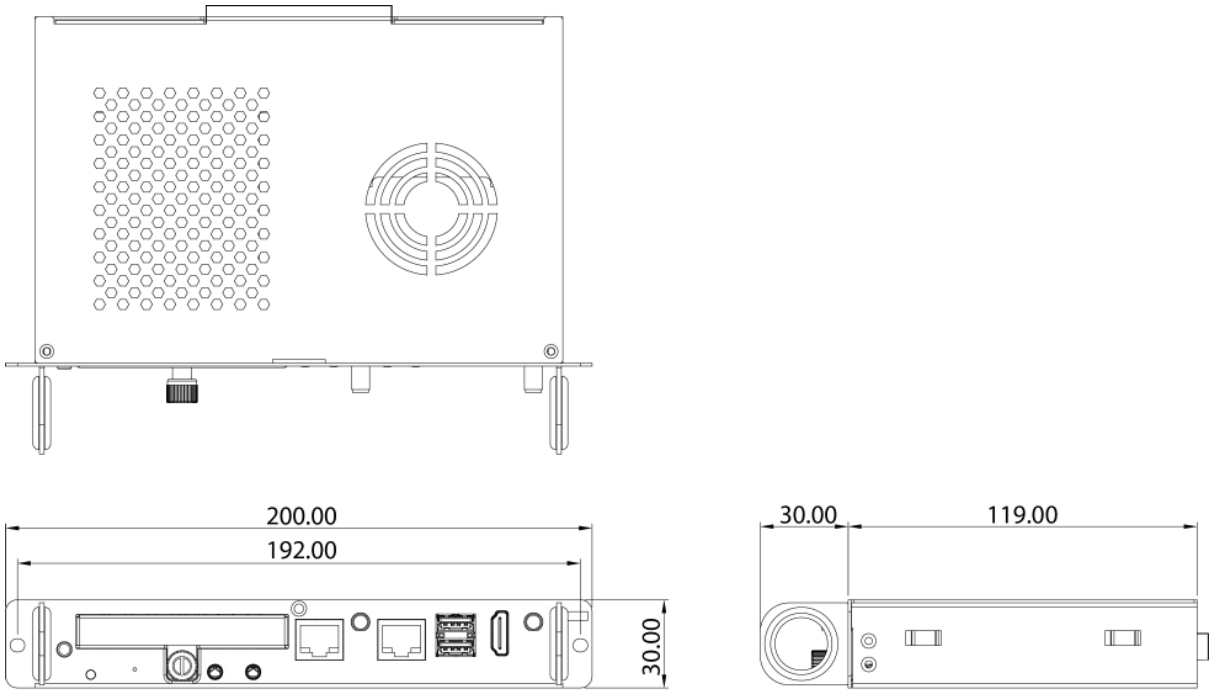
Power Power Supply
- DC power input +12V ~ 19V

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

NDiS M533

Embedded Computer Powered by 4th Gen. Intel® Core™ Processor

OPS-based Digital Signage Platform, Support 4K Resolution

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-PCIe 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")

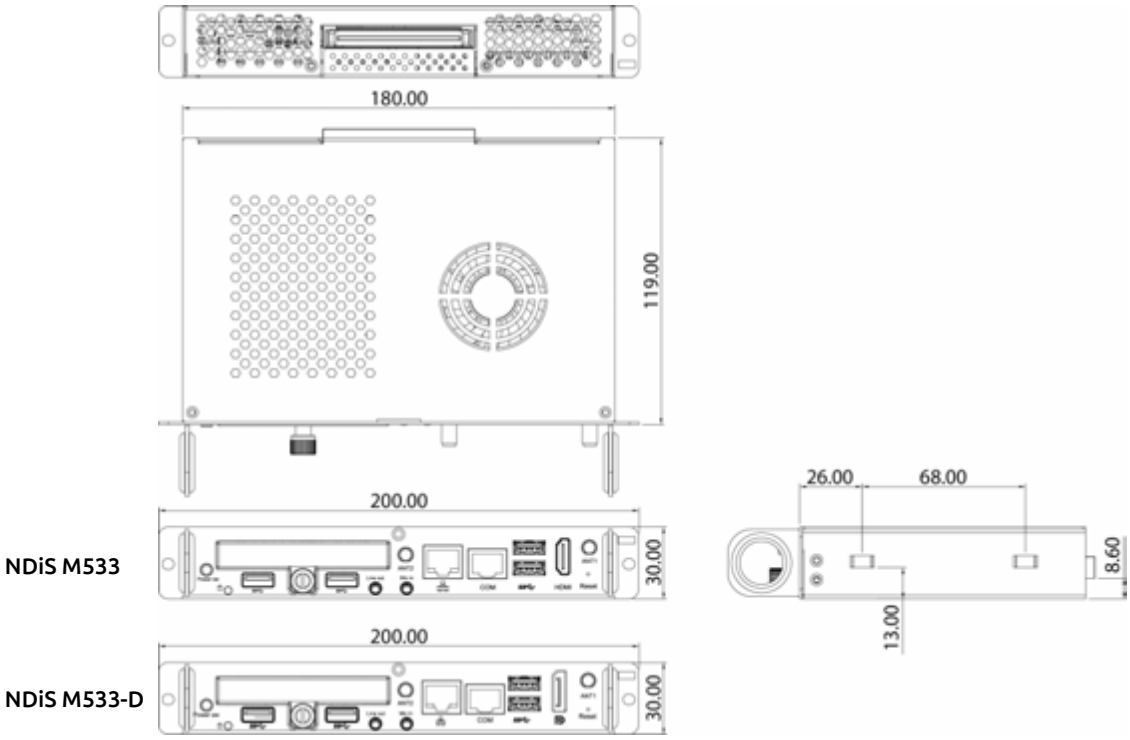
Power Power Supply

- 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)

Dimension Drawing



Certification
- CE approval
- FCC Class A

Operating System
- Win7/Win8/WES7/WES8/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 gerneration Intel® Core™ i3-4100E BGA type processor OPS, Intel® QM87 chipset
- **NDiS M533-4700EQ(P/N: 10W00M53305X0)**
  4th gerneration Intel® Core™ i7-4700EQ BGA type processor OPS, Intel® QM87 chipset
- **NDiS M533-D (P/N: 10W00M53301X0)**
  4th gerneration Intel® Core™ i5-4400E BGA type processor OPS, Intel® QM87 chipset

NDiS A322

In-Vehicle Signage Panel PC

Powered by Intel® Celeron® Processor N2807 1.58GHz

Main Features

- Intel® Celeron® N2807
- Wide range DC input from 9~36V
- Front bezel compliant with IP54
- Vandal proof glass
- Supports W-Fi, GPS, and 3G module

Product Overview

NDiS A322 vehicle signage is designed in a compact form factor, yet maintaining the industrial requirements for high availability, wide operation temperature range, and high anti-vibration protection. It is compliant to in-vehicle industrial standard, like e-Mark.

Specifications

CPU Support
- Intel® Celeron® processor N2807 1.83GHz

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 9~36V, 3-pin (Power, Ignition, Ground)
- 2 x USB2.0
- 1 x LAN
- 1 x Audio
- 1 x COM port

Storage
- 1 x SATA 2.5"
- 1 x mSATA (share with miniPCIe)

Dimensions
- TBD

LCD Panel
- 21.5-inch TFT LCD panel
- 1920x1080 pixels
- Brightness: 250 cd/m^2

Expansion
- 1x Mini-pcie slot (full size)
- 1x Mini-pcie slot (Half size)

Environment
- Operating temperature : -10°C to 50°C
- Storage temperature : -20°C to 60°C
- Humidity : 10 to 90% (non-condensing)

Certification
- CE
- FCC
- eMark

Operating System
- Win7/WES7/Win8/WE8S/Linux

Dimension Drawing

Coming Soon

Ordering Information

- **NDiS A322 (P/N: TBD)**

NDiS AC22

21.5" Full-HD Vehicle Display
with CAT5/DVI and VGA Interfaces

Main Features

- 21.5" full-HD TFT LCD panel
- Wide range DC input from 9~36V
- Front bezel compliant with IP54
- Vandal proof glass

Product Overview

NDiS AC22 vehicle signage display is designed in a compact form factor, yet maintaining the industrial requirements for high availability, wide operation temperature range, and high anti-vibration protection. It is compliant to in-vehicle industrial standard, like e-Mark.

Specifications

General

- Enclosure: aluminum
- Mounting: support VESA75/100
- Power input: 9~36VDC
- Ingress protection: front bezel IP54
- Dimension: TBD
- Weight: TBD

I/O Interface

- 1 x 9~36V, 3-pin (Power, Ignition, Ground)
- 1 x VGA
- 1 x DVI
- 1 x Video over CAT5 input (optional)
- 2 x Video over CAT5 output

Dimensions

- TBD

LCD Panel

- 21.5-inch TFT LCD panel
- 1920x1080 pixels
- Brightness: 250 cd/m^2

Environment

- Operating temperature : -10°C to 50°C
- Storage temperature : -20°C to 60°C
- Humidity : 10 to 90% (non-condensing)

Certification

- CE
- FCC
- eMark

Dimension Drawing

Coming Soon

Ordering Information

- NDiS AC22 (P/N: TBD)

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