NEXCOM
The Intelligent Systems

40%
Traffic

25%
Traffic

35%
Traffic

CUSTOMER AGE MOOD
GENDER
50 0
162 45 17 103 12

LET'S COLLECT EASTER EGGS

Interactive Signage Platform
Product Selection Guide

NEXCOM's Specialties in Interactive Signage

Transformation

The driving forces of cloud technology, big data analytics and the Internet of Things (IoT) have sparked a new wave of innovations for the retail industry. For retailers, the transformation to Retail 4.0 requires the integration of omni-channel retailing and online-to-offline (O2O) commerce. One of the key technologies to unlocking this transformation is interactive signage.

Innovative User Experience

In the past, digital signage only provided one-way information delivery. With the advancement in cloud, big data analytics, image processing and IoT sensor technologies, digital signage today now provides smart, interactive technologies to engage customers in new exciting ways. Physical retailers are integrating online and offline shopping experiences and reinventing the real-world look and feel of brick-and-mortar stores. The rise of more smarter, connected interactive signage is bringing unprecedented opportunities for the retail market, helping retailers to become early adopters of Retail 4.0.

Looking back at the retail evolution, in-store digital signage only provided one-way information. The earliest form of retailing was open shelf stores, which then evolved into modern self-service supermarkets that marked the beginning of retail chains like Wal-Mart and Tesco and the transition from Retail 1.0 to Retail 2.0. In Retail 3.0, the retail industry was introduced to e-commerce and gave rise to big online retailers like Amazon and eBay. Now in Retail 4.0, the retail industry has taken a path to O2O commerce, where physical retailers provide offline customers with interactive online shopping experiences, reshaping the value of brick-and-mortar stores.

Interactive digital signage will become the catalyst to the Retail 4.0 transformation. Interactive signage can help physical retailers to integrate multiple online channels and provide real-time tailored messages in new exciting ways. Communicating information with vivid visual aids, interactive signage is the most ideal point of interest to deliver sales-oriented content. Furthermore, with the integration of interactive technology and improved image processing, digital signage can display tailored promotions or entertaining contents to a specific customer, and simultaneously engage the customer "calls to action" with virtual interactions to increase product interest and dwell time. Shoppers get a better experience because of shorter queues, and faster cycle time. And the retailer can better optimize their in-store staff. This will enhance the shopping experience, allowing customers to learn more about the product, increase purchase intent, and ultimately improve sales.

Interactive Signage Will Drive Omni Channel

Digital signage can integrate add-on software to create smart retail solutions that respond to the three major trends in Retail 4.0: omni-channel commerce, smart retail system and big data analytics.

For omni-channel commerce, connected O2O kiosks can help physical retailers to integrate multiple online channels to provide real-time tailored advertising, product searching and checkout services, reinvigorating customer interactions and shopping experiences. O2O kiosks can also integrate augmented reality (AR) technology and serve as a virtual product assistant to provide more in-depth information. Additionally, O2O kiosks can offer in-store digital services such as product label scanning, automatic checkout and customer call support to reduce wait times and improve service levels. When not in use, O2O kiosks can also display promotions or entertainment content.

For smart retail systems, in-store digital signage with image processing and tracking technology can visually see, sense or even hear the presence of nearby customers, and display dynamic content based on demographics. Take NEXCOM's smart retail solution for instance, which consists of the NDiS digital signage player and exclusive in-house software PowerDigiS. The bundled solution integrates technologies such as high resolution camera, facial recognition, radio-frequency identification (RFID), electronic shelf label (ESL) and beacon notifications. It also integrates Microsoft Azure cloud service platform for data analysis of viewer demographics such as age, gender and other attributes to display content tailored to the interest of a target audience group.

Boosting In-store Traffic with Big Data Analytics

There is an increasingly fierce competition between businesses in the retail industry. Retailers are relentlessly finding ways to optimize retail management efficiencies and customer shopping experiences to increase in-store traffic and sales while reducing operating costs. By utilizing retail analytics, retailers can analyze customer buying behavior, effectiveness of product placements, in-store traffic patterns and other parameters, allowing retailers to revise strategies and adjust resources accordingly to improve operations. To provide the image processing performance required for such analytics, NEXCOM's high-performance NDiS digital signage player features discrete NVIDIA graphics which can simultaneously analyze video streams of four IP cameras.

For retail analytics software, NEXCOM has collaborated closely with various regional partners to study and survey the needs and preferences of different markets to accurately provide the user interface and analytics algorithms relevant to each different sector. Customizations to fulfill special requirements are also available upon request.

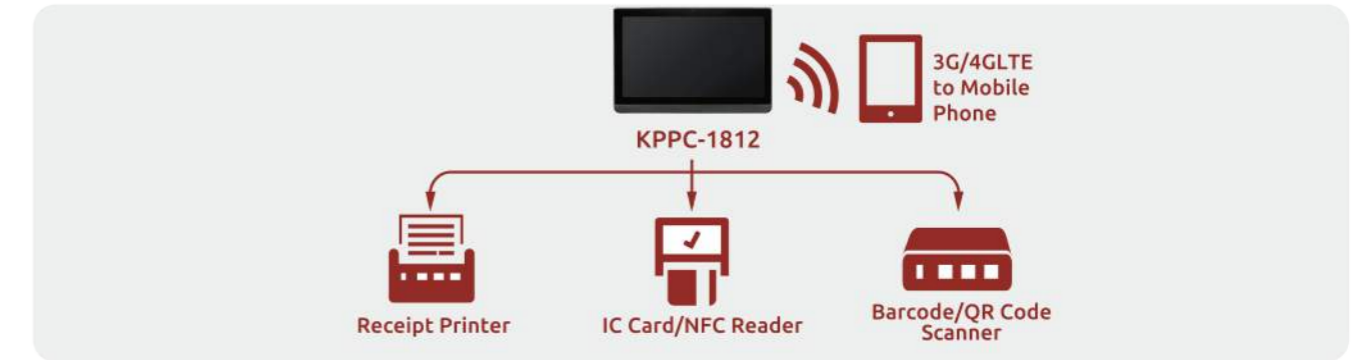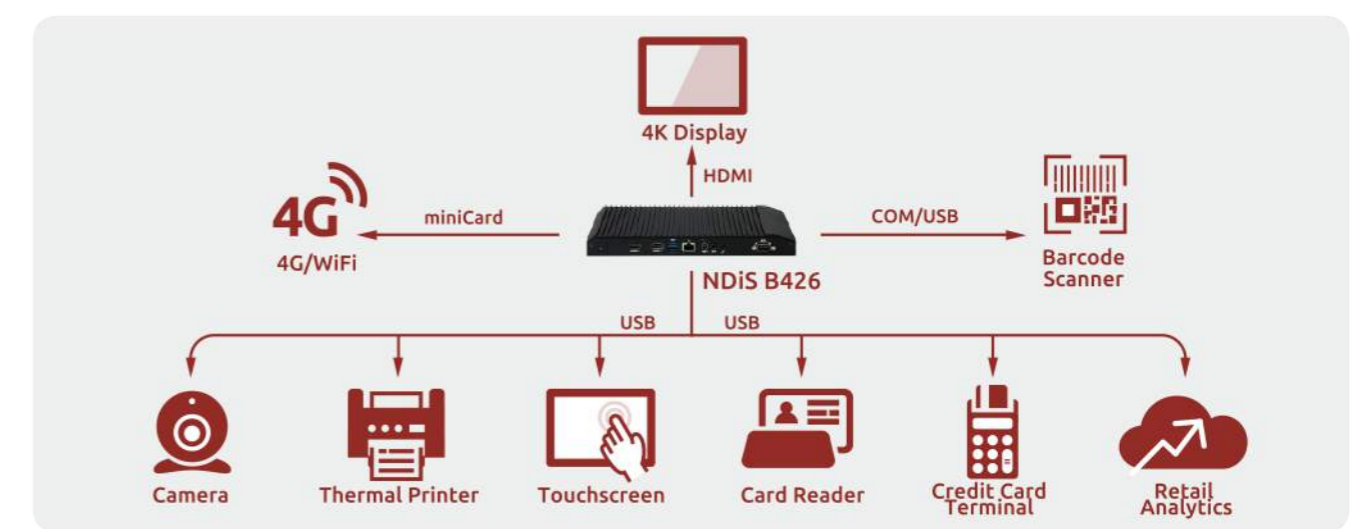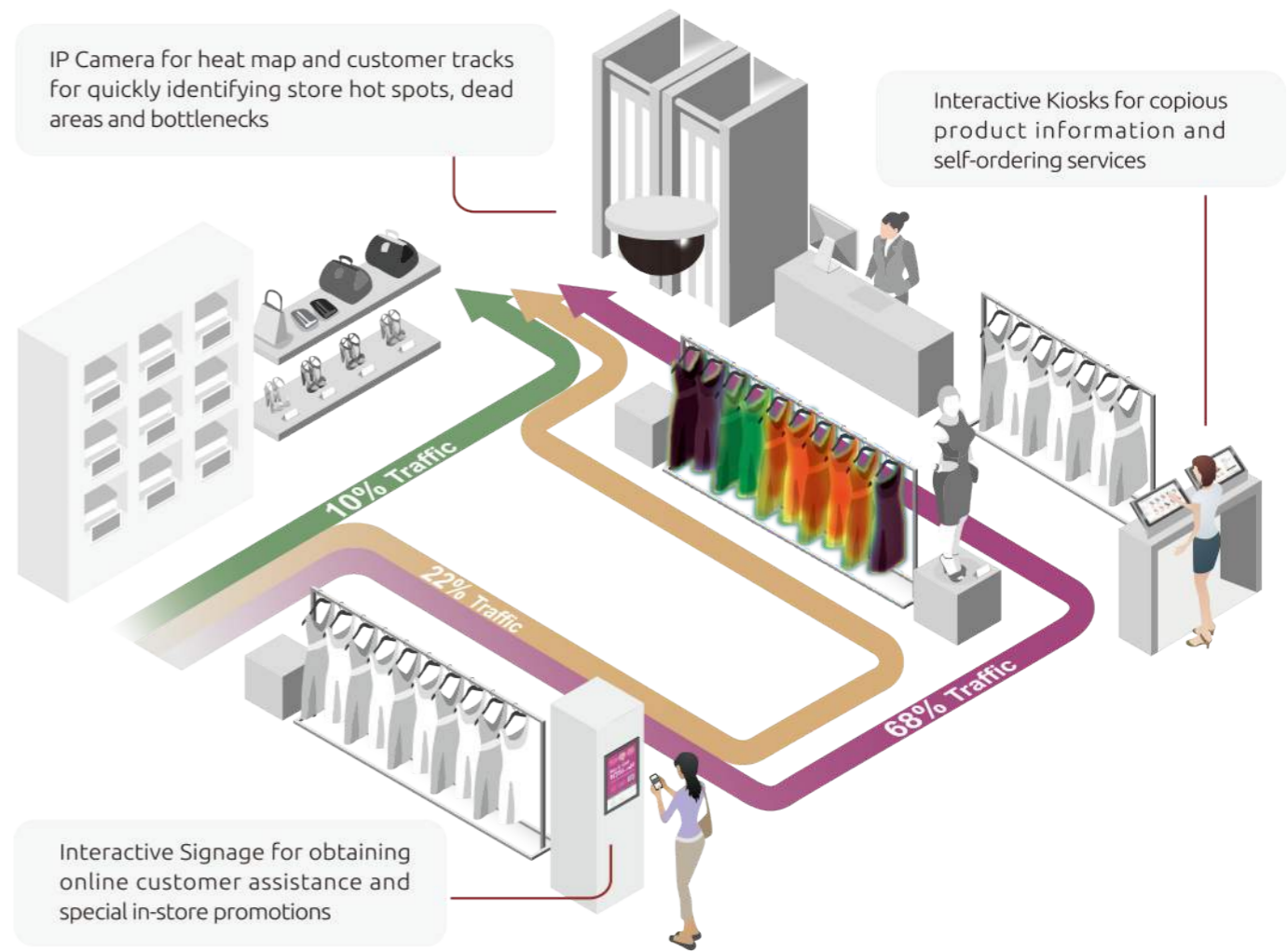|	Focused and Diversified Strategy	Advantages
NDiS B Series	Best-in-case fanless box player	● State-of-the-art fanless design with maximum performance ● More legacy I/O ports integrating facial recognition, RFID, ESL and beacon notifications ● Wider operating temperature, IP rating
NDiS M Series	Plug-and-play manageable modular player	● Fanless / low noise design ● Leading platform / best of breed performance ● Remote management
NDiS P Series	Pre-configured appliance Preloaded with PowerDigiS	● Cost-effective, reliable and easy to use digital signage solution for small to medium digital signage networks
TPPC Series	In-transit passenger information system & display	● Long-distance and daisy-chained multi-screen transmission ● Remote diagnostic / management ● Vandal proof design ● Fanless / low noise design ● Part-and-full-customization
KPPC Series	Kiosk Panel PC	● Wide range of processor capacities and display dimensions ● Scalable for resistive and capacitive touch displays ● Ease-of-Service design ● Part-and-full –customization ● High-integration of kits and peripherals
OPPC Series	Open Frame Panel PC & Display	● Wide range of display dimensions ● Fanless/ low noise design ● Part- and full-customization ● Flexible Mounting, Panel/ VESA/ 100x100/ Wall/ Stand ● Wide power input of 12~30VDC

O2O Kiosks and Business Analytics Draw in Sales for Stores

Physical stores have been in head-to-head competition with online retailers for customers. To bolster the multi-channel presence, a department store chain in Western Europe has deployed multiple interactive kiosks across more than 160 stores to converge brick-and-mortar and digital channels. Powered by NEXCOM digital signage Player NDiS B426, the in-store interactive kiosk helps the department store chain increase customer engagement, reduce out-of-stock complains, broaden product offerings, and more importantly, drive sales.

The internet-enabled kiosk can provide customers copious information and self-services. By scanning a product barcode, the kiosk can tell customers about product details including sizes, colors, prices, promotions, and stocks. If an item of a specific size or color is out of stock, customers can use the kiosk's touchscreen to make a purchase online with a credit card, earn reward points for the purchase with a membership card, opt for either in-store pickup or home delivery, and obtain a confirmation receipt as a proof of payment. The kiosk also gives customers access to the full product range as offered on the retailer's online store, expanding the product coverage to hundreds of thousands of brands within existing floor space.

The NEXCOM NDiS B426 designed for interactive signage applications can equip the kiosk with video chatting function to help customers obtain assistance from online customer services, and run special promotions and advertisements on a 4K display.Moreover, equipped with discrete NVIDIA graphics, the NDiS B426 can perform intense image processing for in-store analytics,offering science-based shopper behavior and store performance analysis with crystal clear insights.

The KPPC-1812 is the next generation Smart Kiosk Panel PC Platform. In the modern retail environment, you need to provide a friendly, efficient and easy-to-use Kiosk Solution for customers. So it can quickly build intelligent kiosks in convenience stores, way finding kiosks in shopping malls and self-ordering kiosks in fast food restaurants to fulfill different retail and hospitality applications. Its modular design for peripherals and swappable mainboard and HDD tray will easily integrate the different requirements and reduce maintenance costs.

IP Camera for heat map and customer tracks for quickly identifying store hot spots, dead areas and bottlenecks

Interactive Kiosks for copious product information and self-ordering services

10% Traffic

22% Traffic

68% Traffic

Interactive Signage for obtaining online customer assistance and special in-store promotions

4K Display

HDMI

4G
4G/WiFi

miniCard

COM/USB

NDiS B426

Barcode Scanner

USB   USB

Camera   Thermal Printer   Touchscreen   Card Reader   Credit Card Terminal   Retail Analytics

KPPC-1812

3G/4GLTE to Mobile Phone

Receipt Printer   IC Card/NFC Reader   Barcode/QR Code Scanner

Self-ordering Kiosk Brings Revenue

The age of the restaurant self-service kiosks has dawned, and it's the end of fast food as we know it. Self-Ordering Kiosk is striding into the 21st century with the rollout of the "Create Your Taste" touchscreen kiosks, on which custom Food and Beverage can be built as well as full-menu ordering. The kiosks are incredibly convenient and improve order accuracy.
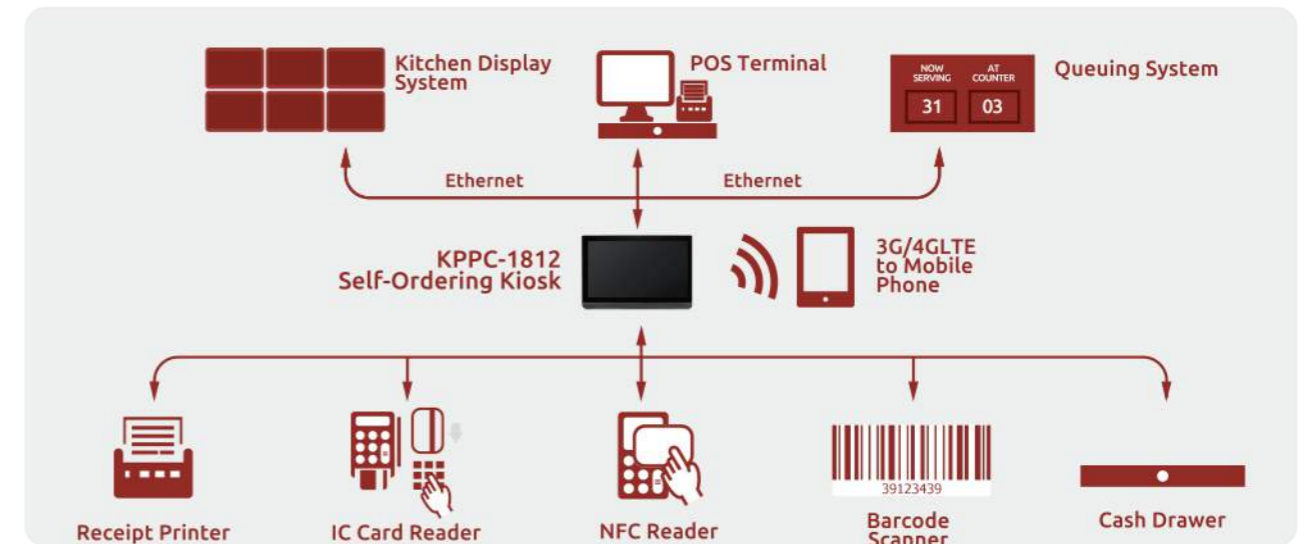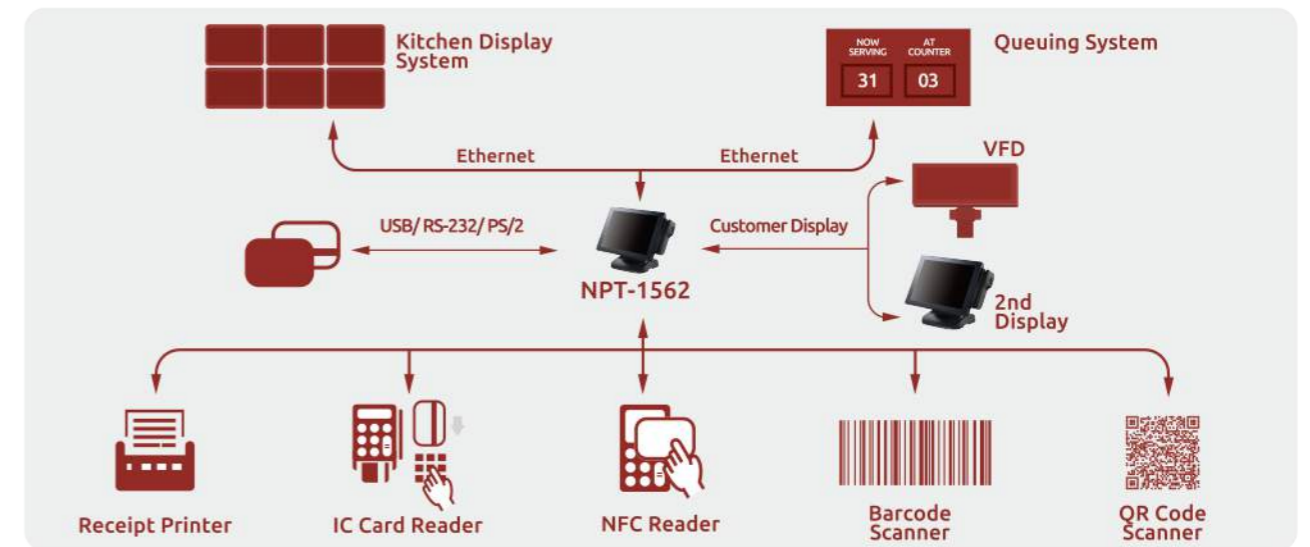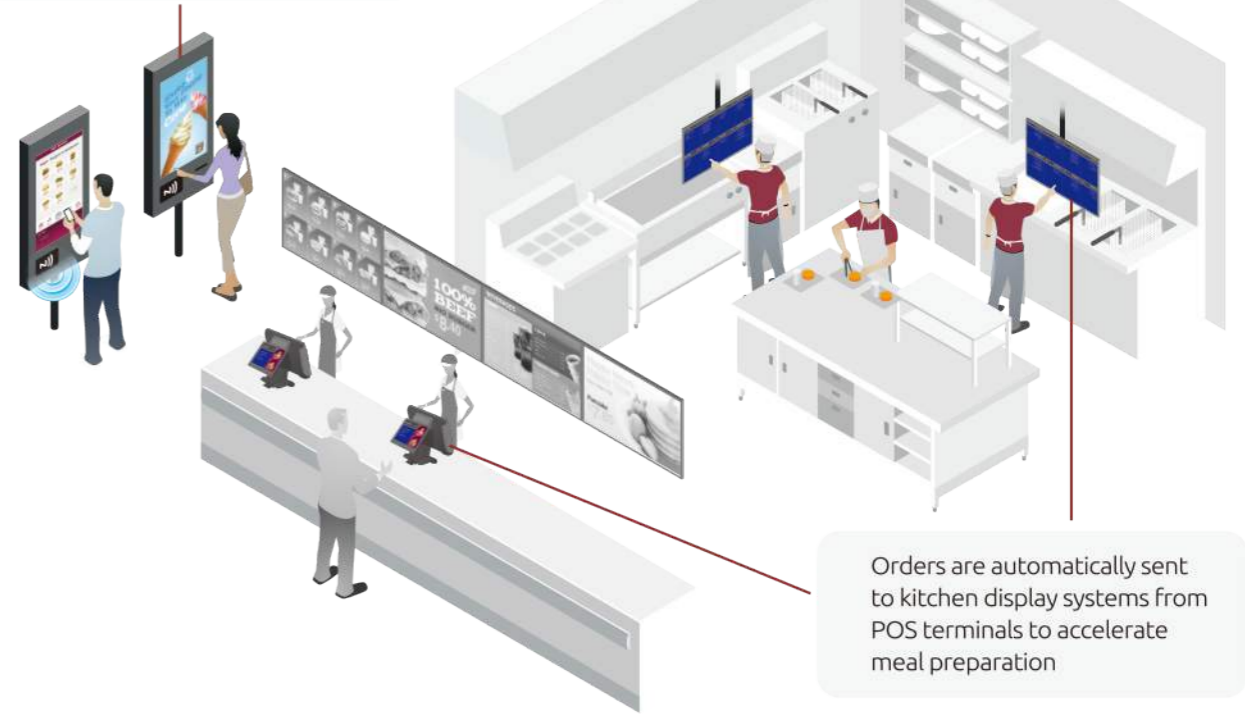
NEXCOM Restaurant Kiosk Solutions include KPPC (Kiosk Panel PC) series for self-service, KDS, self-ordering, queuing applications. NPT (NEXCOM POS Terminal) series are for POS terminal, food & beverage QSR, restaurant, hospitality and CVS retail stores.

Kiosk Panel PC KPPC-1812 is the next generation Kiosk Panel PC. It will help you to build a smart future-proof kiosk that can evolve with changing needs of retail and hospitality industries. Based on Intel® Celeron® J1900 processor, the KPPC-1812 can power multimedia contents for advertising and enable multiple ways of user interaction for self-servicing. The KPPC-1812 is designed with expansion flexibility and ease-of-use and maintenance and can maximize kiosk uptime and lower total cost of ownership (TCO) for users.

The NPT-1562 is a high value Point-of-Sale (POS) hardware solution designed to fulfill your POS hardware requirements. The quiet fanless design offers low power consumption and minimal maintenance. To reduce maintenance time and costs it comes with a removable HDD, MSR, fingerprint and VFD kit. The DC-12V output provides sufficient power for a second display from the POS terminal, as well as providing better cable routing and high-integration. The small footprint is ideal for installations where space is limited.

The VESA mounting design of the Display Head, is only 100x100mm and provides an option for wall-mounting when detached from its stand. It is also spill resistant and offers a high degree of integration for POS peripherals, thereby ensuring continuous operation in restaurant and retail conditions.

Self-ordering kiosks to cut customer queuing time

Orders are automatically sent to kitchen display systems from POS terminals to accelerate meal preparation

Kitchen Display System

Queuing System

NOW SERVING 31 AT COUNTER 03

Ethernet   Ethernet

VFD

USB/RS-232/PS/2   Customer Display

NPT-1562   2nd Display

Receipt Printer   IC Card Reader   NFC Reader   Barcode Scanner   QR Code Scanner

Kitchen Display System   POS Terminal   Queuing System

NOW SERVING 31 AT COUNTER 03

Ethernet   Ethernet

KPPC-1812 Self-Ordering Kiosk   3G/4GLTE to Mobile Phone

Receipt Printer   IC Card Reader   NFC Reader   Barcode Scanner   Cash Drawer

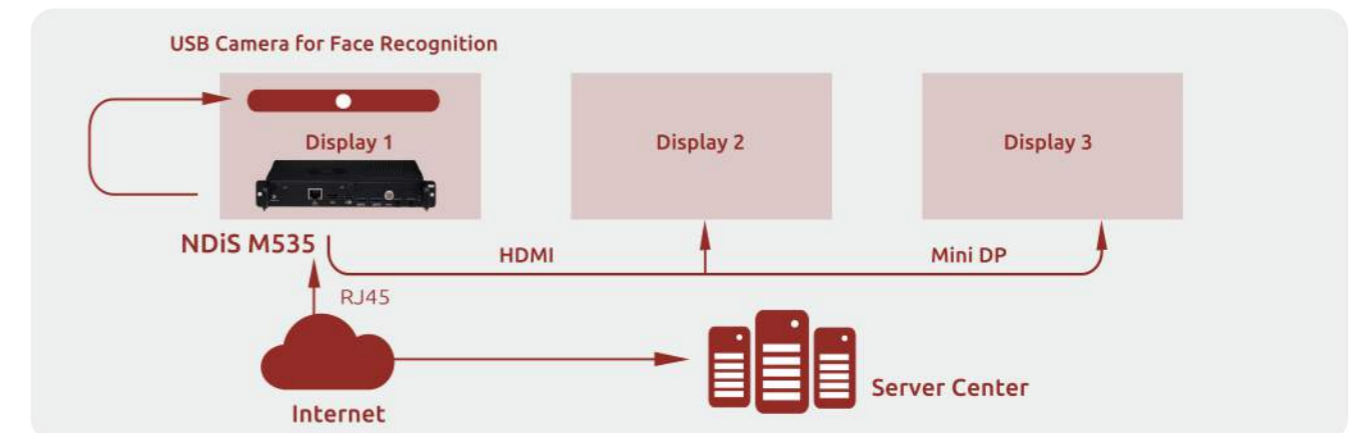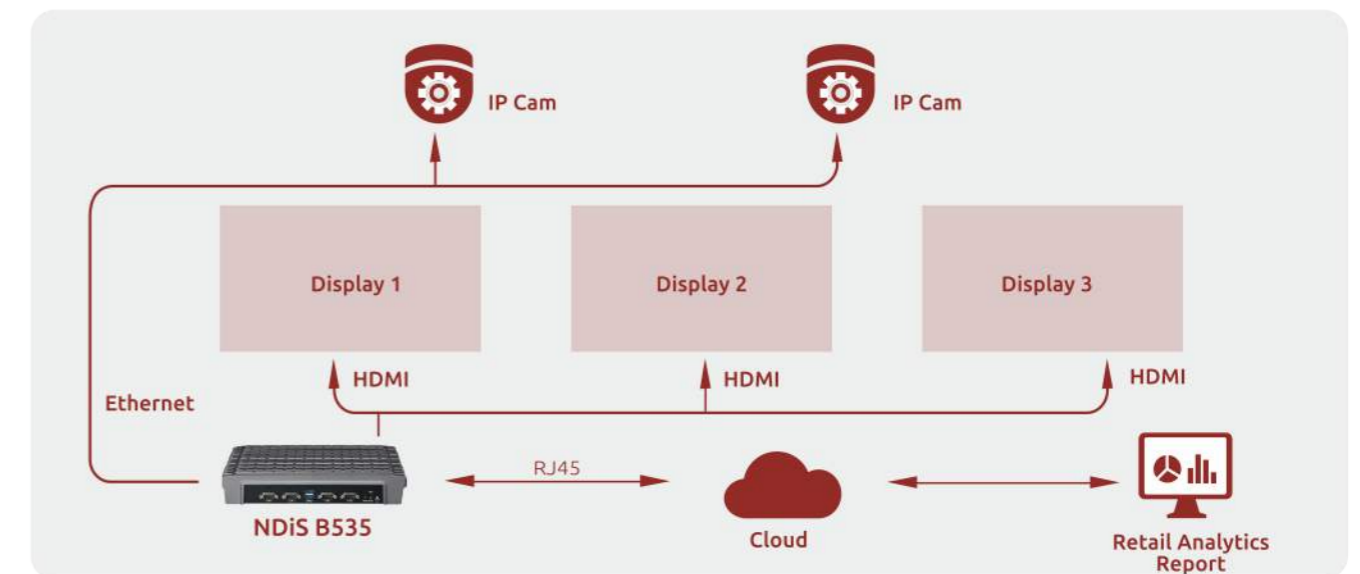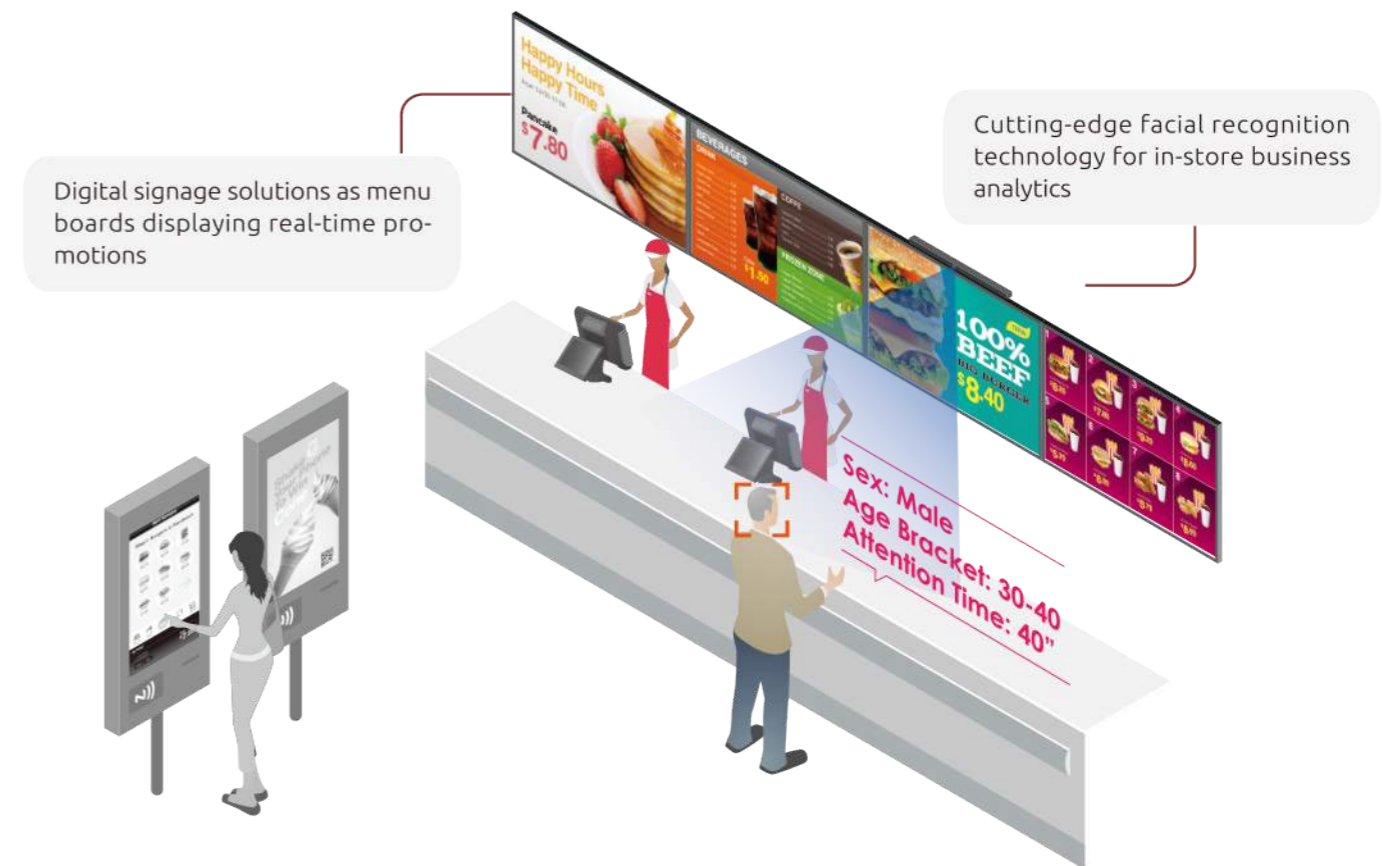39123439

Digital Menu Boards Fuel QSR Growth

Increasingly 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 effective. As customers walk into these restaurants, they expect to see the latest promotions on digital menu boards and self-service kiosks. Going digital has enabled operators to change menu items and prices quickly and easily, not to mention more that these displays are more eye-catching than static menu boards. Also, when it comes to drive-thru menu boards, it presents a great opportunity to inform customers of everyday value and share the latest promotions. Therefore pre-sales menu boards and order confirmation systems improve order accuracy and efficiency at QSRs.

With so many in-store distractions, it's sometimes difficult for customers to focus on what the QSR is advertising. However, digital menu boards are able to catch customers' attention and deliver a clear message. NEXCOM Digital Signage Solutions provide reliability and expandability, NDiS M535 allows multiple displays side by-side (in portrait or landscape mode) playing HD video and pictures. Users can implement dayparting presentations in independent, clone, or 3x1 video wall modes. The central server can be remotely updated with menu schedules for real-time promotion, regardless of location. In addition to being a menu board, it can also be used as a pre-sales advertising tool. For example, in waiting areas, digital signage can act as a single-source display to broadcast advertisements or upcoming events.

The OPS design of the NDiS M535 simplifies installation and maintenance. A uniquely designed Gigabit LAN port enables remote management with content upgrades and remote BIOS maintenance, thus ensuring uninterrupted operation and lowering labor costs and repair time. For an enhanced customer experience, NEXCOM offers an integrated cutting-edge facial recognition solution which allows the system to offer a customer's favorite menu, improve customer satisfaction, and create an interactive dining experience.

The NDiS B535 is another box PC option for QSR. Powered by a Intel 6th Gen Core processor, the NDiS B535 can offer impressive system performance and full HD videos. With support for 4K2K video playback on three independent HDMI outputs the NDiS B535 can fully satisfy customer's expectation and be used in applications such as advertising, hospitality, brand promotion and digital menu boards.

Digital signage solutions as menu boards displaying real-time pro-motions

Cutting-edge facial recognition technology for in-store business analytics

Sex: Male
Age Bracket: 30-40
Attention Time: 40"

IP Cam   IP Cam

Display 1   Display 2   Display 3

HDMI   HDMI   HDMI

Ethernet

NDiS B535   RJ45   Cloud   Retail Analytics Report

USB Camera for Face Recognition

Display 1   Display 2   Display 3

NDiS M535   HDMI   Mini DP

RJ45

Internet   Server Center

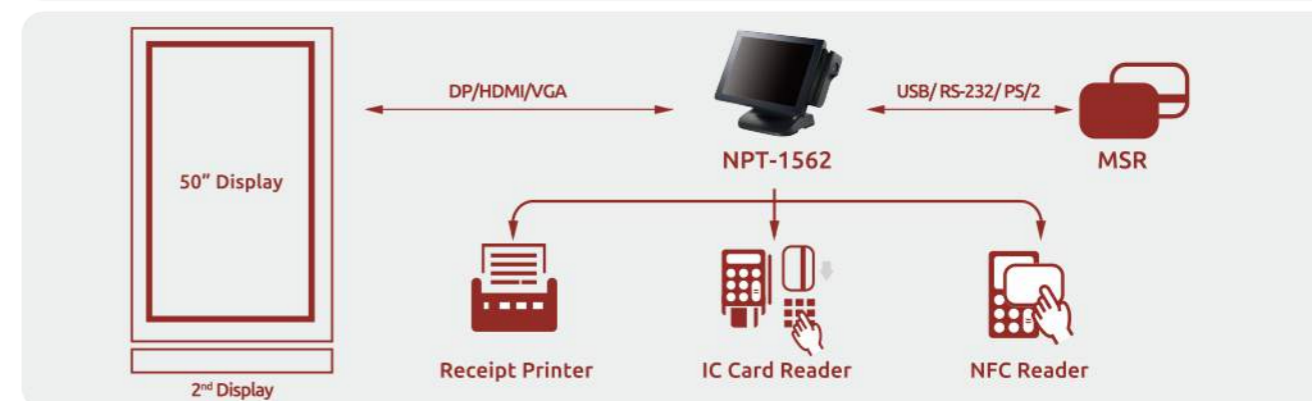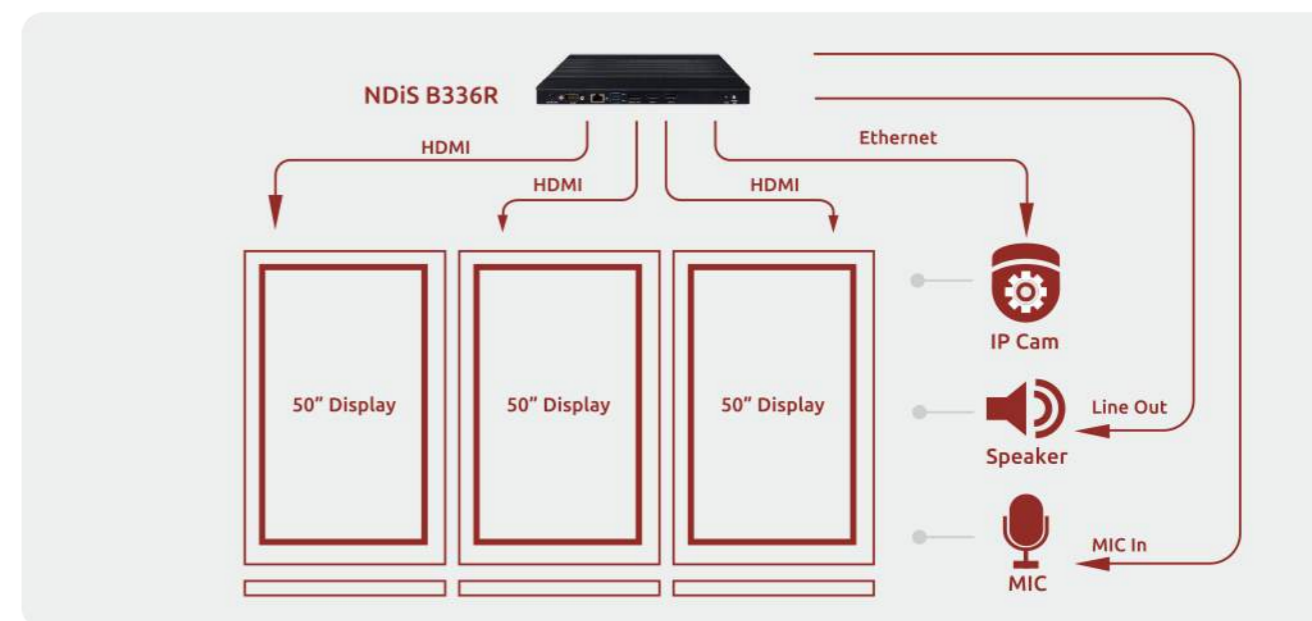# Digital Drive-thru Mimics In-Store Experience

A leading global coffee shop franchise has begun to apply interactive digital signage to their newly introduced drive-thru service. Two 50 inch screens at the drive-thru's entrance, powered by a single NDiS B336R, display menu items on one screen and order details on the other. On top of the display, a camera is integrated to provide a two-way communication between staff and driver to improve the dining experience. Content is designed and managed by HQ's administrative office and then published to the field via a virtual private network (VPN).

The NEXCOM NDiS B336R features an advanced fanless thermal design for fitting in outdoor environments while maximizing the system performance with an Intel® Apollo Lake desktop processor. The fact that the NDiS B336R is capable of rendering multiple high resolution display outputs simultaneously makes it an ideal platform for a variety of QSR applications.

The NDiS B336R is perfectly designed for outdoor/semi-outdoor applications capable of surviving under -20~60°C and it supports dual HDMI and DP output interfaces, making it a high CP value player in the drive for high quality animation and graphics in drive-thru applications. Due to its ultra slim chassis design (21mm z-height), users can easily find a place to install the NDiS B336R.

Installed at the ordering point, the NDiS B336R-powered face-to-face ordering system plays menus and promotions on three large screens. When customers pull up at the ordering point, a barista will show up on the one screen, greeting with a warm smile. Customers can place orders by speaking to the barista face-to-face through video chat and see order details and a total price on the screen so they can rest assured that their orders, especially customized drinks are taken correctly. The order is sent to POS terminal. Customers can make the payment and pick up meals at the next drive-thru window.

The coffee chain has successfully launched the drive-thru service with the implementation of the face-to-face ordering system. Taking advantage of NEXCOM digital signage player's high-definition video-streaming capability, multi-display support, and rich I/O set, the system enhances service efficiency and accuracy by facilitating the ordering process, creates a genial drive-thru service for the coffee chain.

Order is sent to POS for check out and pick up service

Digital drive-thru for customer face-to-face self-ordering system

PICK UP WINDOW

NDiS B336R

HDMI — HDMI — HDMI — Ethernet

50" Display — 50" Display — 50" Display

IP Cam

Line Out

Speaker

MIC In

MIC

50" Display

2nd Display

DP/HDMI/VGA

NPT-1562

USB/RS-232/PS/2

MSR

Receipt Printer — IC Card Reader — NFC Reader

In-transit Passenger Information Display System Maximizes Convenience

At airports, train stations and bus stops, digital signage improves the travel experience by serving a variety of functions including displaying timetables, service status, public announcements, and route-finding. To operators, centralized digital screens effortlessly enable them to manage traffic within terminals 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 advertisements.
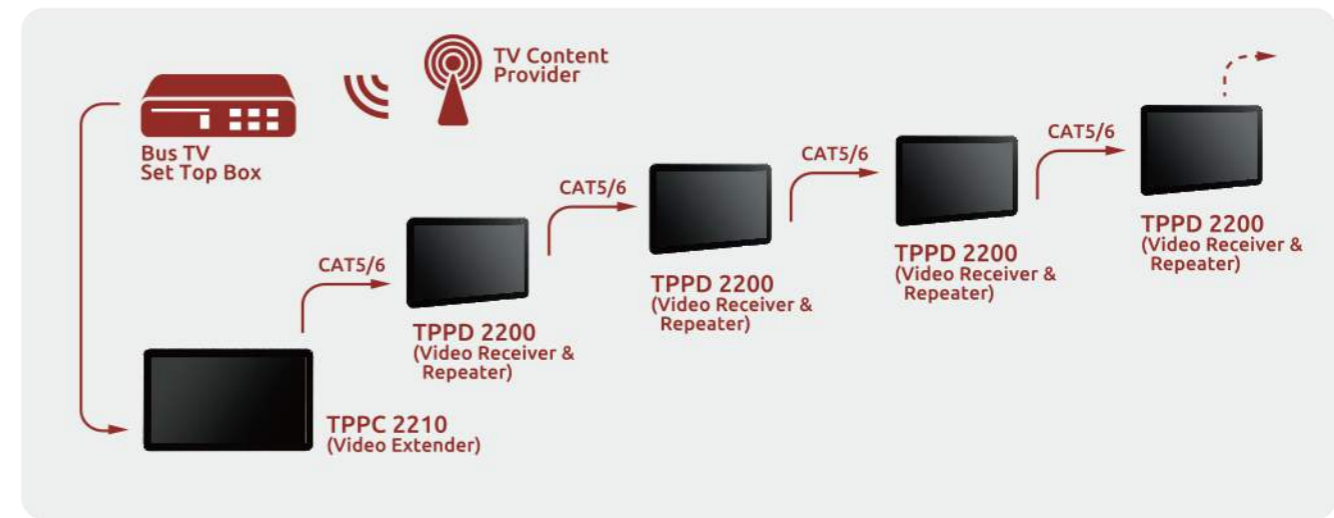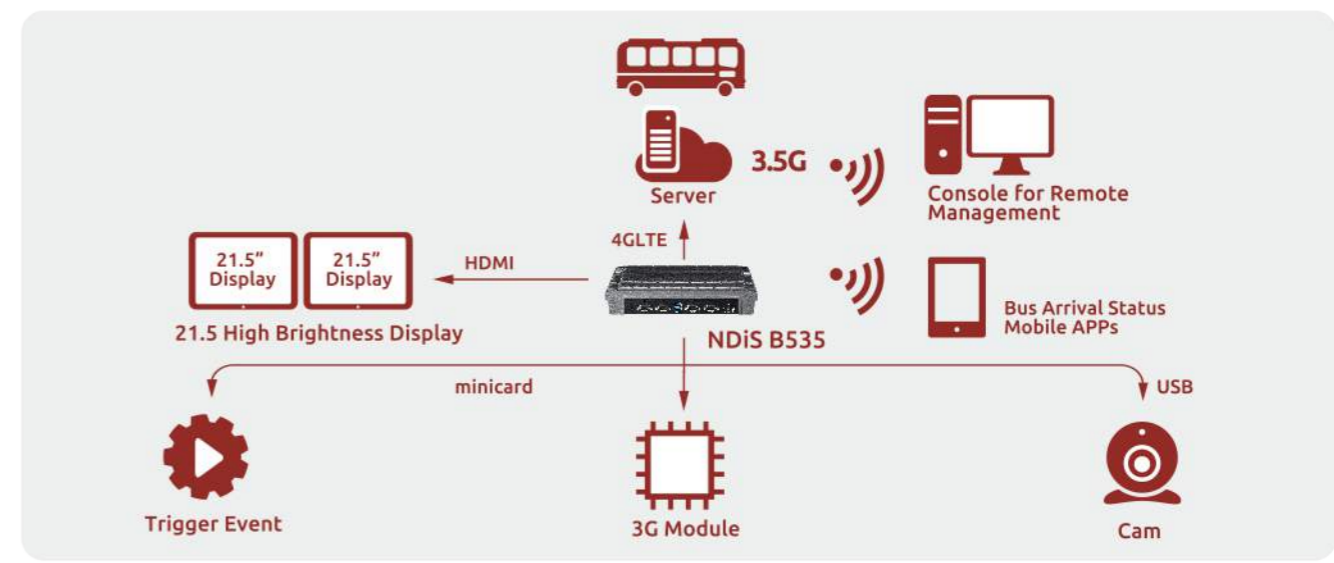
In mission critical applications such as FIDS and PIDS, system reliability is the key to keep up service consistency and reduce maintenance effort. The NDiS B535 has been installed in 300 bus stops in Asia and delivers real-time information such as bus arrival schedule, local weather, up-to-date news, and streaming video. On mobile carriers like buses or trains, it is mandatory for systems to withstand severe temperature variations and be capable of downloading and processing large amounts of data from a backend server. The NDiS B535 can also install various communication modules such as Wi-Fi/3G/4G to enable interactivity with passengers, thus enriching the appearance of the presentation.

TPPC 2210, the Passenger Infotainment Display Solution, is now available in Master Panel PC and extended to several displays. It is a fully flexible modular system with solutions for different system environments and space requirements. The 21.5" display size with modularized structure can easily customize to 2x21.5" (side-by-side and back-to-back displays in one frame) and different display sizes (18.5", 24", 27",…) , on which route information and advertisements can be displayed simultaneously.

All variations use the same elegant aluminum frame, so mounting and installation are particularly easy. The low weight and low maintenance approach make sure environmental impact and operating costs are kept to a minimum. TPPC 2210 can display any kind of information that is necessary to ensure passengers have a safe and smooth journey. This includes next stop information, detailed route information, a network map as well as operator information such as service interruptions. In addition, general news can be shown on the newsticker function. Otherwise, this infotainment can actually be used to make money! TPPC 2210 can display all kinds of advertisements and can therefore be integrated into a business plan as an additional source of income.

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.

PowerDigiS

Simple and Affordable Starter

NEXCOM has developed a simple and affordable digital signage Starter Kit to help get companies onto the first step of the digital signage ladder. The Starter Kit can significantly lower the total cost of ownership for those customers not requiring all of the more sophisticated functionality offered by current digital signage solutions on the market.

The Starter Kit package features your choice of three ready to use player models to fulfill different complexity of marketing messages you have in your business. Each player model brings the core elements together- reliable hardware, embedded OS, remote management software, and advertisement creation tool-enabling customers to quickly setup, manage and operate the signage display for business. It is so easy to use. Within just a few simple steps, you are ready to communicate with your valuable guests via rich and eye-caching messages.
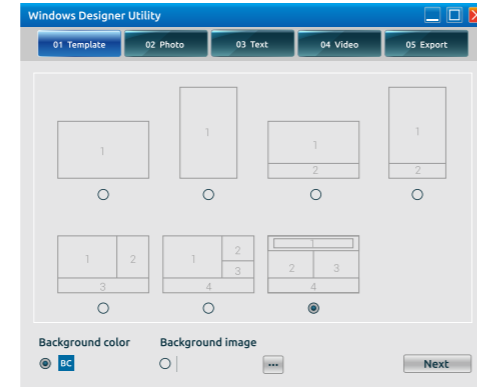
Key Features

- Easy to use pre-configured display layout
- Rich video, image and text ticker content formats support
- Multiple content zones support
- Single display or cloned dual display support
- Content update by USB disk or through network
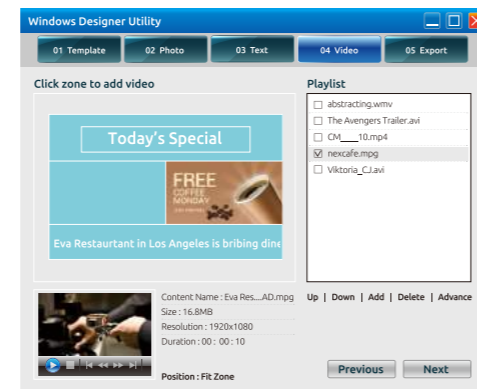- Remote management functions

Applications

- Corporate Communication
- Retail Store
- Fast Food Digital Menu Board
- Bank and Financial Services
- Airport and Transportation
- Hospitality
- Sport and Entertainment Venues
- Education
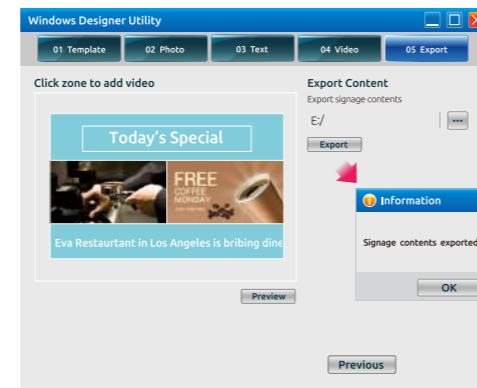- DS Service Provider
- Advertising Network

Three Steps to Play

Select Layout Template

Add Contents

Export Presentation to USB

Eye-catching Digital Signage BY YOURSELF

PowerDigiS allows small & medium sized businesses to build their own Digital Signage with just a few clicks!

PDSB 324

PDSB 325

CMS 1100

Remote Management Console

Internet/ Intranet/ VPN

PDSB 166

PDSB 535

Various Pre-defined Templates to Simplify the Process
Don't waste your time on layout design, with pre-defined layout templates you can simply change menu pictures and GO LIVE!

Rich Multimedia Format Support
Content is KING! PowerDigiS supports a wide array of multimedia formats, including MPEG 1/2/4, AVI, WMV, DivX, XVID, VOB, MOV VC-1, H.264, rm, rmvb, flash, JPG, BMP, PNG, ICO, ICP, GIF, TIFF, WMF, audio, digital TV, RSS, txt and so on

Flexible Content Update
Content updates should be quick and easy! You can update content via RJ45, wireless*, or USB dongle.
*only if a wireless module is installed

Web-based Management Console Support
No management software installation needed. Use a browser to manage your players on any PC, tablet, and mobile phone.
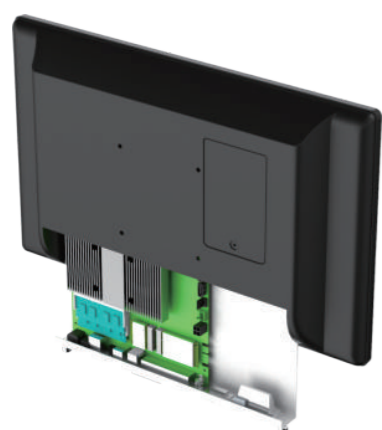
Upgradeable to Advanced applications
The freely downloadable PowerDigiS software application comes with everything you need for small & medium retail businesses. However, it is also upgradeable to advanced functions such as touchscreen in the Wayfinder application and GPS in bus signage. Contact us for more information!

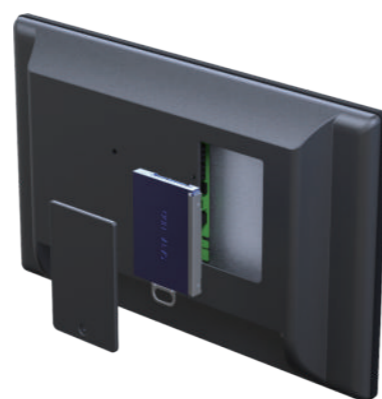# Kiosk Panel PC Highlighted Features & Customization Services

The NEXCOM KPPC series is a standardized and modularized, versatile kiosk with the reliability and user-friendliness required for your business.

The NEXCOM KPPC series offers you with a flexible solution for all your self-service kiosk needs. Built on industry standards, this sleek kiosk delivers a superior customer experience with its motion picture-quality video and multimedia.
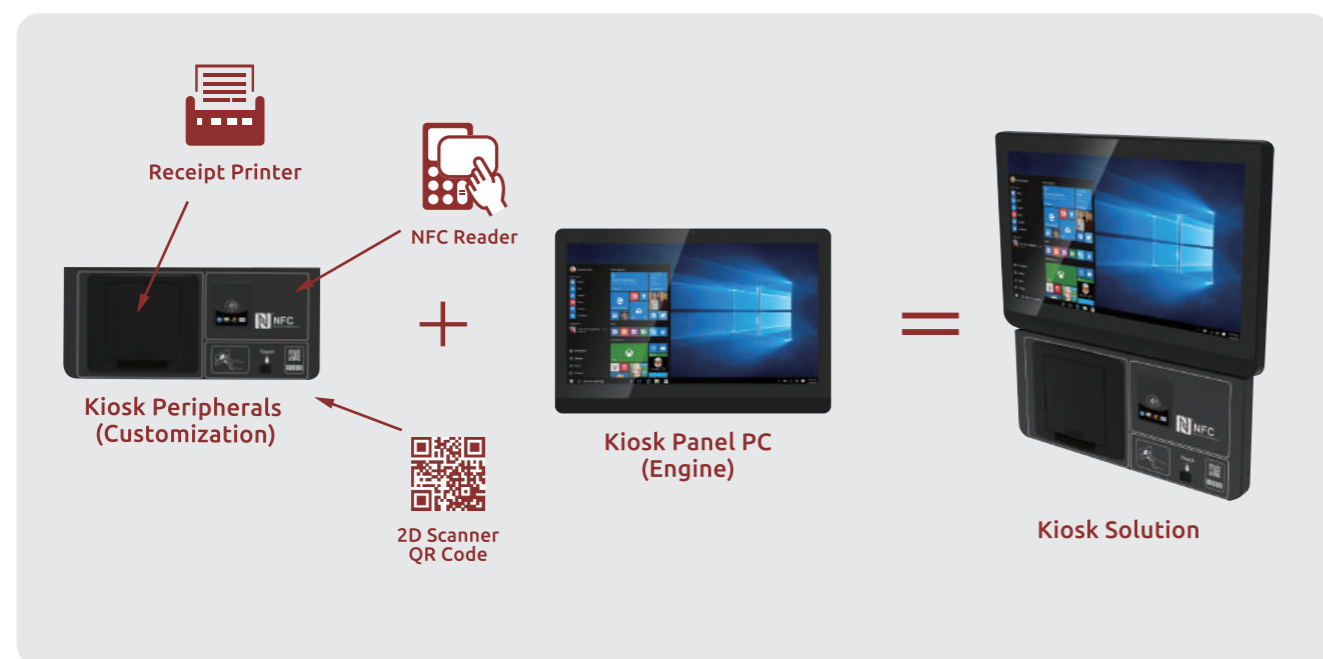
1. Swappable mainboard tray for Ease-of-Service
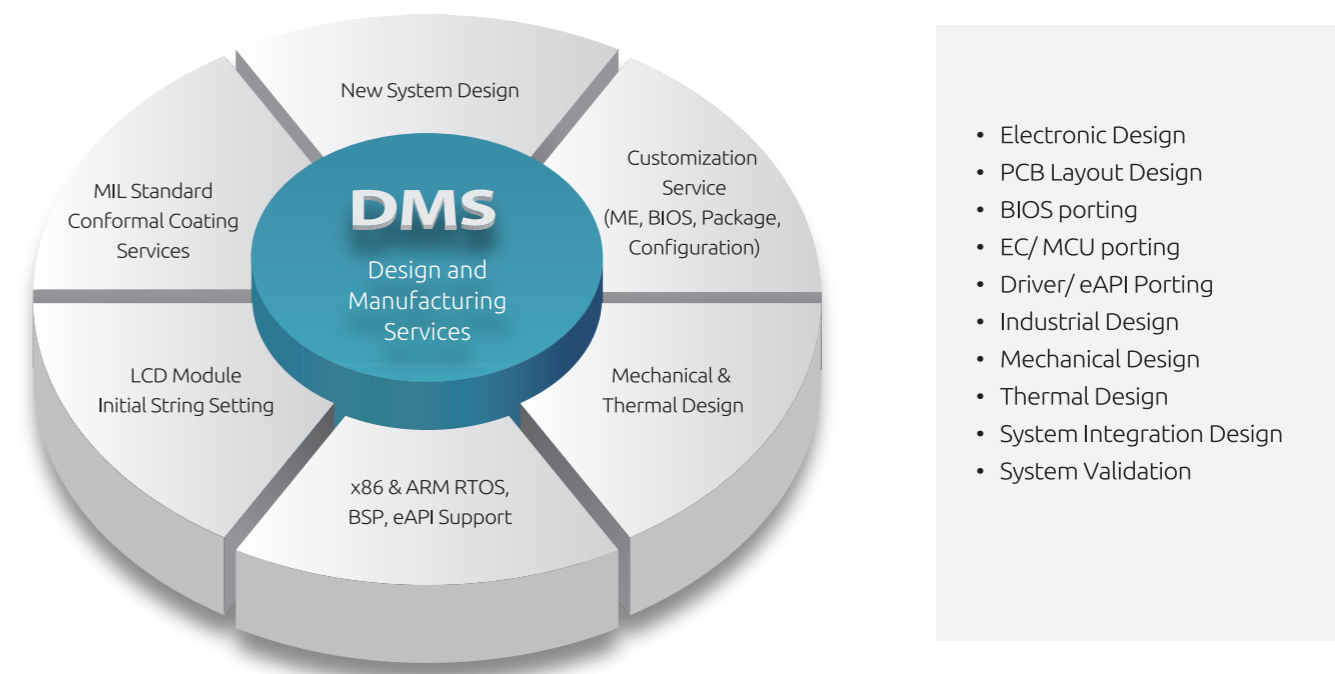
2. Removable HDD Door for Quick Installation

3. Kiosk Panel PC Customization Service for Kit / Peripheral integration

Receipt Printer

NFC Reader

Kiosk Peripherals (Customization)

2D Scanner QR Code

Kiosk Panel PC (Engine)

Kiosk Solution
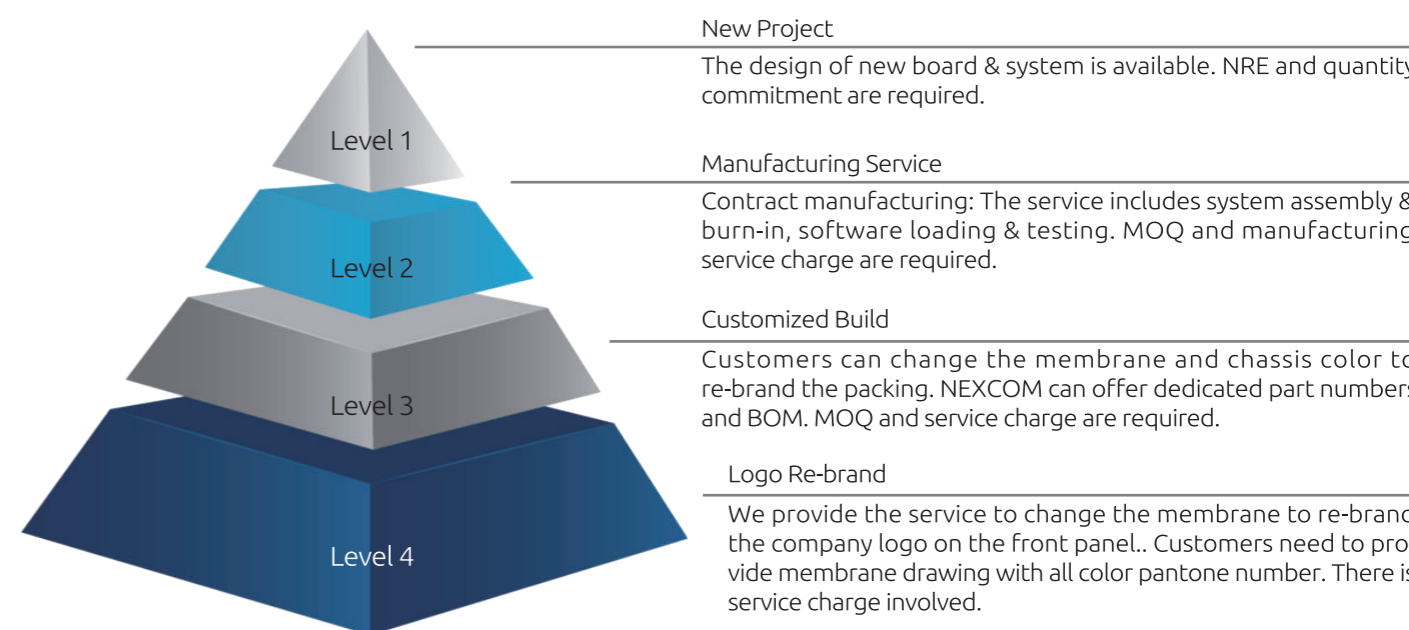
Design & Manufacturing Services Coverage

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.

DMS
Design and Manufacturing Services

- New System Design
- Customization Service (ME, BIOS, Package, Configuration)
- Mechanical & Thermal Design
- x86 & ARM RTOS, BSP, eAPI Support
- LCD Module Initial String Setting
- MIL Standard Conformal Coating Services

- Electronic Design
- PCB Layout Design
- BIOS porting
- EC/ MCU porting
- Driver/ eAPI Porting
- Industrial Design
- Mechanical Design
- Thermal Design
- System Integration Design
- System Validation

Design & Manufacturing Service Levels

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.
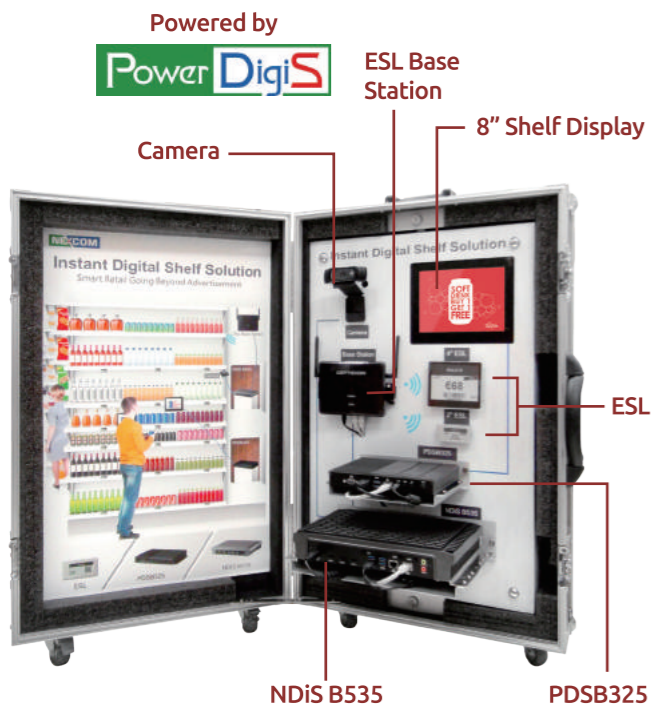

Level 1 — New Project
The design of new board & system is available. NRE and quantity commitment are required.

Level 2 — Manufacturing Service
Contract manufacturing: The service includes system assembly & burn-in, software loading & testing. MOQ and manufacturing service charge are required.

Level 3 — Customized 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 4 — 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 service charge involved.

Solution Packs

Screen Capture from IP Camera

Management Console in Cloud

IP Camera

NDiS B535

Retail Analytics Solution

	Multiple Sensors
	Data Collection
	Cloud Computing
	Report Retrieval

Integrated with cameras and sensors, the in-store intelligent video system can collect customer traffic flow and shopping behavior for further analysis. With this 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 targeted advertisements.
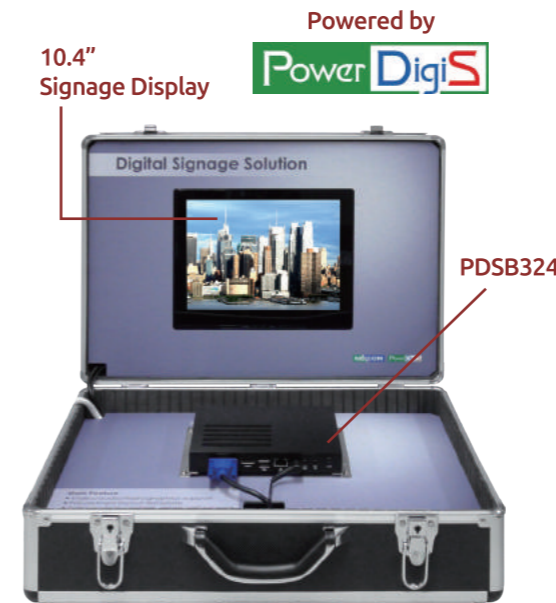
Instant Digital Shelf Solution

Powered by

Camera

ESL Base Station

8" Shelf Display

ESL

NDiS B535

PDSB325

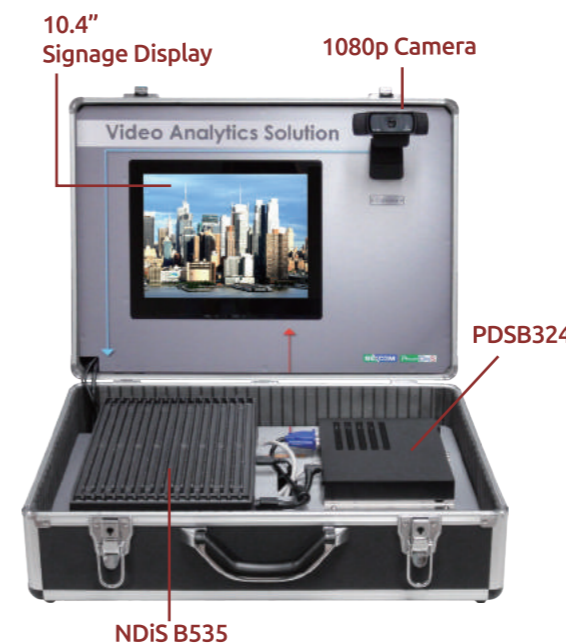|	Face Recognition
	Electronic Shelf Label
	Local Data Collection
	Digital Signage

In the Instant Digital Shelf Solution, a high-definition camera is used to capture the facial characteristics of the audience and send the data to the NDiS B535 (6th Gen. Intel Core processor) for further analysis and resulting gender/age/VIP (matching up with the membership database) data. Relevant signage content will be triggered based on the analysis results. Retailers can also use electronic shelf labels to keep product information up to date and make minute-by-minute pricing changes.

10.4" Signage Display

Powered by

PDSB324

10.4" Signage Display

1080p Camera

PDSB324

NDiS B535

10.4" Signage Display

Intel RealSense Camera

Intel AMT Provisioning

NDiS B535

Digital Signage Solution

	Digital Signage

The PDSB 324 is an Intel® Celeron® processor J1800, based digital signage player pre-loaded with the user-friendly digital signage software PowerDigiS. The PDSB 324 is capable of laying out the display into multiple rectangular zones and playing rich multi-media content on each zone in accordance with a user defined schedule. This makes the PDSB 324 ideal for increasing digital signage applications within retail outlets, department stores, entertainment venues, restaurants, hotels, bus/train station, schools/universities and hospitals for dynamic messaging, delivery, advertising, or brand promotion.

Portable Video Analytics Solution

	Face Recognition
	Local Data Collection
	Digital Signage

In the Video Analytics Solution demo kit, an FHD camera is used to detect and capture the audience's facial characteristics. The video stream is then passed to NDiS B535 for analysis. The NDiS B535 is based on the 6th Gen. Intel Core processor platform and acts as a local server due to its strong computing power and graphics performance. Video streams will then be analyzed in real time and inform the PDSB324 (preloaded with digital signage software PowerDigiS) to play pre-defined content according to the results of the analysis of details such as gender, age, emotion and VIP database.

Gesture Controlled Ordering Solution

	Gesture Control
	Intel AMT
	Digital Signage

The Gesture Controlled Ordering Solution adopts Intel RealSense cameras to enable human-computer interaction on a PC. Users can use pre-defined gestures from the hands and fingers to control digital menu boards in a restaurant. This demo kit also showcases Intel vPro technology to give pervasive, real-time visibility of system hardware assets and offers direct power control. Organizations are able to avoid a costly truck roll by running diagnostics and remedying issues via a remote hardware-based KVM session.

Product Selection Guide

Legend: Fan | Fanless | 4K Resolution

Number of Display Outputs	Output Platform / Processor	HDMI	DP	VGA	DVI	Multimedia Support	Recommended Model
1	ARM	1				4K / Full HD 1080 / Flash	NDiS B115
	Intel Atom	1				Full HD 1080 / Flash	NDiS 126
2	Intel Atom	1	1			Full HD 1080 / Flash	NDiS 126V
	Intel Atom	2				Full HD 1080 / Flash	NDiS 126H
	AMD G series	1	1			Full HD 1080 / Flash	NDiS 127
	AMD G series	2				Full HD 1080 / Flash	NDiS M422 NDiS B325
	Intel Celeron	1	1			Full HD 1080 / Flash	NDiS B324
	Intel Celeron	2				Full HD 1080 / Flash	NDiS B324
	Intel Celeron	2				4K / Full HD 1080 / Flash	NDiS B426
	Intel Core i	1	1			4K / Full HD 1080 / Flash	NDiS B425-SI3
	Intel Core i	2				4K / Full HD 1080 / Flash	NDiS B325-SI5
3	Intel Celeron	3				Full HD 1080 / Flash	NDiS M335
	Intel Celeron	2	1			4K / Full HD 1080 / Flash	NDiS B336R
	Intel Core i	1		1	1	Full HD 1080 / Flash	NDiS 166
	Intel Core i	1	1		1	Full HD 1080 / Flash	NDiS 167
	Intel Core i	2	1			Full HD 1080 / Flash	NDiS M532 NDiS M533
	Intel Core i	2	1			4K / Full HD 1080 / Flash	NDiS M535 NDiS B533
	Intel Core i	3				Full HD 1080 / Flash	NDiS B532
	Intel Core i	3				4K / Full HD 1080 / Flash	NDiS B535
4	AMD R series	4				Full HD 1080 / Flash	NDiS B842
6	AMD R series	6				Full HD 1080 / Flash	NDiS B862

OPS Module Player

Model	NDiS M324	NDiS M335	NDiS M422	NDiS M532	NDiS M533	NDiS M535
CPU	Intel® Celeron® processor J1900	Intel® Celeron® N3150	AMD G-series T56N	2nd/ 3rd generation Intel® Core™ rPGA Socket Type	4th generation Intel® Core™ i3-4100/ i5-4400E/i7-4700EQ	6th generation Intel® Core™ i5-6440EQ/i7-6820EQ BGA Type Processor
Chipset	N/A	N/A	AMD A50M	Intel® QM77	Iintel® QM87	Intel® QM170 PCH
Graphic	Intel® Gen. 7 graphics	Intel® HD Graphics	AMD Redeon™ HD6320	Intel® HD Graphics 4000	Intel® integrated HD4600 Graphic Engine	Intel® integrated HD 530 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 DDR3 SO-DIMM, up to 16GB	2 x DDR4 SO-DIMM, up to 32GB
LAN	x1, 10/100/1000Mbps	x1, 10/100/1000Mbps	x1, 10/100/1000Mbps	x2, 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	1 x 2.5" SATA	1 x 2.5" SATA
Flash Storage	N/A	NGFF (M2) 22x42 (SATA)	N/A	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 HDMI(2.0), 1 x Mini DP, 1 x TMDS(HDMI2.0) (via JAE connector)
Display Resolution	1920 x 1080	HDMI1:1920 x 1080 HDMI2: 3840 x 2160 TMDS(via JAE): 3840 x 2160	1920 x 1080	1920 x 1080	3840 x 2160	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	3 Independent or Clone
Video Capability	Hardware Decode: MPEG2/4, VC1, H.264, VP8	Hardware Decode: MPEG1, MPEG2,VP8 VC1, H.264, H.265	Hardware Decode: MPEG1, MPEG2, VC1, H.264	Hardware Decode: MPEG1, MPEG2, VC1, H.264	Hardware Decode: MPEG2, VC1, H.264	Hardware Decode: MPEG2,VC1, VP8, H.264, H.265
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 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 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)
TV Tuner	Optional	Optional	Optional	Optional	Optional	Optional
RS-232	1 x TX/RX (via JAE connector)	1 x TX/RX (via JAE connector)	1 (RJ45), 1 x TX/RX (via JAE connector)	1 x TX/RX (via JAE connector)	1 (RJ45), 1 x TX/RX (via JAE connector)	1 x TX/RX (via JAE 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)	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)	3 (2 x External, 1 x via JAE connector)
Expansion Slot	1 x Mini-PCIe	1 x Mini-PCIe	1 x Mini-PCIe	2 x Mini-PCIe	1 x Mini-PCIe	1 x Mini-PCIe
Operating Temperature	0°C to 45°C	0°C to 45°C	0°C to 45°C	0°C to 45°C	0°C to 45°C	0°C to 45°C
Power Type	12-19V DC (via JAE connector)	12-19V DC (via JAE connector)	12-19V DC (via JAE connector)	12-19V DC (via JAE connector)	12-19V DC (via JAE connector)	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	200 x 119 x 30
OS Support	Win7/WES7/Win8/ WE8S/Linux	Win7/WES7/Win8/ WE8S/Win10/Linux	Win7/Win8/XP/WES7/ WE8S/WES2009/Linux	Win7/Win8/XP/WES7/ WE8S/WES2009/Linux	Win7/Win8/XP/WES7/ WE8S/WES2009/Linux	Win7/WES7/Win8/ WE8S/Win10/Linux

Box Player

Model	NDiS B115	NDiS 126	NDiS 127	NDiS B325	NDiS B336R	NDiS B426		NDiS 166	NDiS 167	NDiS B532	NDiS B533	NDiS B535
CPU	Rockchip RK3288	Intel® Atom™ D2550	AMD G-series T56N	Intel® Celeron® N3150 /Core i3-6100U /Core™ i5-6200U	Intel® Atom E3950	Intel® Celeron® 3855U		2nd generation Intel® Core™ rPGA socket type	2nd/3rd generation Intel® Core™ rPGA socket type	2nd/3rd generation Intel® Core™ rPGA	4th generation Intel® Core™ LGA socket type	6th generation Intel® Core™ LGA socket type processor (up to 35W)
Chipset	Embedded	IIntel® NM10	Intel® AMD A55E	N/A	N/A	N/A		Intel® QM67	Intel® QM77	Intel® QM77	Intel® Q87	Intel® Q170 PCH
Graphic	MaliT760 (Embedded)	Intel® GMA 3650	ATI HD6320	Intel®HD Graphics /HD520 Graphics /HD520 Graphics	Intel® Gen. 9 Graphics	Intel® HD510 Graphics u NVidia GT730"		Intel® HD Graphics 3000	Intel® HD Graphics 3000/ 4000	Intel® HD Graphics 4000	Intel® integrated HD4600 graphic engine	Intel® integrated HD 530 graphic engine
RAM	DDR3 2GB on board	DDR3 SO-DIMM, up to 4 GB	DDR3 SO-DIMM, up to 4 GB	DDR3L SO-DIMM, up to 8GB /DDR4 SO-DIMM up to 8GB /DDR4 SO-DIMM up to 8GB	2 x DDR3L SO-DIMM up to 16 GB	DDR4 SO-DIMM up to 8 GB		2 x DDR3 DIMM, up to 16GB	2 x DDR3 DIMM, up to 16GB	2 x DDR3 DIMM, up to 16GB	2 x DDR3 DIMM, up to 16GB	2 x DDR4 SO-DIMM, up to 32GB
LAN	1 x 10/100/ 1000Mbps	x2, 10/100/ 1000Mbps	x1 ,10/100/ 1000Mbps	x1 ,10/100/ 1000Mbps	x1 ,10/100/ 1000Mbps	x1 ,10/100/ 1000Mbps		x2 10/100/ 1000Mbps	x1, 10/100/ 1000Mbps	x2 10/100/ 1000Mbps	x2 10/100/ 1000Mbps	x2 10/100/ 1000Mbps
WLAN	on board 802.11 b/g/n	Optional	Optional	Optional	Optional	Optional		Optional	Optional	Optional	Optional	Optional
Hard Disk	N/A	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		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	eMMC2 16GB on board	N/A	N/A	N/A	N/A	N/A		SATA DOM	SATA DOM	SATA DOM	SATA DOM	NGFF(M2) 22 x 42 / 22 x 80
Video Output	1 x HDMI (2.0)	1 x HDMI or 1 x HDMI + 1 x VGA or 2 x HDMI	1 x VGA, 1 x HDMI	1xVGA, 1xHDMI /2 xHDMI /2 xHDMI	1xDP, 2xHDMI	2xHDMI		1 x VGA, 1 x DVI-D, 1 x HDMI	1 x Display Port, 1 x DVH, 1 x HDMI	3 x HDMI	3 x HDMI	3 x HDMI (2.0)
Display Resolution	3840 x 2160	1920 x 1080	1920 x 1080	VGA: 1920 x 1080 HDMI: 3840 x 2160	3840 x 2160	3840 x 2160		1920 x 1080	1920 x 1080	1920 x 1080	3840 x 2160	3840 x 2160
Output Channel	1 Independent	2 Independent or Clone	2 Independent or Clone	2 Independent or Clone	3 Independent or Clone	2 Independent or Clone		2 Independent or Clone	3 Independent or Clone	3 Independent or Clone	3 Independent or Clone	3 Independent or Clone
Video Capability	Hardware decode MPEG1,MPEG2,VC1 H.264,H.265,VP9	Hardware decode MPEG1, MPEG2, VC1, H.264	Hardware decode MPEG1, MPEG2, VC1, H.264	Hardware decode MPEG1, MPEG2,VP8 VC1, H.264, H.265	Hardware Decode MPEG1, MPEG2,VP8 VC1, H.264, H.265	Hardware Decode MPEG1, MPEG2,VP8 VC1, H.264, H.265		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: MPEG2, VC1, VP8, H.264, H/265
Audio Output	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	1 x Line-out, 1 x Mic-in		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-out, 1 x Mic-in
TV Tuner	N/A	Optional	Optional	Optional	Optional	Optional		Optional	Optional	Optional	Optional	Optional
RS-232	1 (UART)	1	1	1	1	1		2	2	2	2	4
USB 2.0	2	6	4	2	N/A	2		4	N/A	N/A	N/A	N/A
USB 3.0	N/A	N/A	N/A	4	5	4		N/A	4	4	4	6
Expansion Slot	N/A	1 x Mini-PCIe	1 x Mini-PCIe, 1 x Mini-PCIe (Half)	1 x Mini-PCIe / 1 x NGFF(M2) 2230 / 1 x NGFF(M2) 2230	1 x Mini-PCIe 1 x NGFF(M2) 2230	1 x NGFF(M2) 2230		2 x Mini-PCIe	2 x Mini-PCIe	2 x Mini-PCIe	2 x Mini-PCIe	1 x Mini-PCIe 1 x NGFF(M2) 2230
Operating Temperature	-10℃ to 50℃	0℃ to 40℃	0℃ to 40℃	-20℃ to 50℃	-20℃ to 60℃	−20℃ to +50℃		0℃ to 40℃	0℃ to 40℃	0℃ to 40℃	0℃ to 40℃	0℃ to 40℃
Power Type	5V DC	12V DC	12V DC	19V DC	19V DC	19V DC		12V DC	12V DC	12V DC	12V DC	12V DC
Dimension (mm)	118 x 101 x 23.6	185 x 147 x 48.4	185 x 147 x 48.4	224.34 x 147.4 x 29	259 x 147.4 x 21.5	269 x 147.4x 29		250 x 194 x 40	250 x 194 x 40	294 x 198 x 52	294 x 198 x 52	294 x 198 x 52
OS Support	Android 4.4	Win7 / WES7	Win7 / Win8/XP/WES7 / WE8S/WES2009 / Linux	Win7/WES7/Win8/ WE8S/Win10/Linux	Win7 / WES7 / Win10 / Linux	Win7/WES7/Win8/ WE8S/ Win10 / 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/Win10/ Linux	Win7 / Win8/WES7 / WE8S/Win10/ Linux

Video Wall Player

Model	NDiS B842	NDiS B862	Coming Soon NDiS B866	Coming Soon NDiS B8C6
CPU	AMD R-series Dual/Quad Cord	AMD R-series Dual/Quad Cord	6th generation Intel® Core™ LGA socket type processor (up to 65W)	6th generation Intel® Core™ LGA socket type processor (up to 65W)
Chipset	AMD 70M	AMD 70M	Intel® Q170 PCH	Intel® Q170 PCH
Graphic	AMD Radeon™ E6760	AMD Radeon™ E6760	AMD Radeon™ E8870	AMD Radeon™ E8870
RAM	2 x DDR3 SO-DIMM, up to 16GB	2 x DDR3 SO-DIMM, up to 16GB	4 x DDR4 SO-DIMM up to 64GB	4 x DDR4 SO-DIMM up to 64GB
LAN	x2, 10/100/1000Mbps	x2, 10/100/1000Mbps	x2, 10/100/1000Mbps	x2, 10/100/1000Mbps
Hard Disk	1 x 2.5" SATA	1 x 2.5" SATA	2 x 2.5" SATA	2 x 2.5" SATA
Flash Storage	SATA DOM	SATA DOM	N/A	N/A
Video Output	4 x HDMI	6 x HDMI	6 x HDMI 2.0	12 x HDMI 1.4
Display Resolution	1920 x 1080	1920 x 1080	3840 x 2160	1920 x 1080
Output Channel	4 Independent, Expanded or Clone	6 Independent, Expanded or Clone	6 Independent, Expanded or Clone	12 Independent, Expanded or Clone
Video Capability	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 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
TV Tuner	Optional	Optional	Optional	Optional
RS-232	2	2	2	2
USB 2.0	2	2	N/A	N/A
USB 3.0	2	2	6	6
Expansion Slot	2 x Mini-PCIe	2 x Mini-PCIe	1 x Mini-PCIe, 2 x NGFF (M Key supports 2242, 2280), 1 x NGFF (E Key supports 1630, 2230)	1 x Mini-PCIe, 2 x NGFF (M Key supports 2242, 2280), 1 x NGFF (E Key supports 1630, 2230)
Operating Temperature	0℃ to 40℃	0℃ to 40℃	0℃ to 40℃	0℃ to 40℃
Power Type	12V	12V	250W ATX Power Supply	250W ATX Power Supply
Dimension (mm)	280 x 230 x 44	280 x 230 x 44	TBD	TBD
OS Support	Win7/WES7/Win8/WE8S/Linux	Win7/WES7/Win8/WE8S/Linux	Win7/Win8.1/Win10/Linux	Win7/Win8.1/Win10/Linux

Digital Signage Appliance

Model	PDSB 325	PDSB 166	PDSB 535
Storage	320GB HDD	320GB HDD	320GB HDD
LAN	1 x 10/100/1000Mbps	1 x 10/100/1000Mbps	2 x 10/100/1000Mbps
WLAN	Optional	Optional	Optional
Video Output	1 x VGA, 1 x HDMI	1 x VGA, 1 x DVI-D, 1 x HDMI	3 x HDMI
Display Resolution	4K2K	1920 x 1080	4K2K
Output Channel	2 Independent, Expanded or Clone	2 Independent, Expanded or Clone	3 Independent, Expanded or Clone
VideoCapability	Hardware Decode: H.265/HEVC4, H.264, MPEG2, MVC, VC-1, WMV9, JPEG, VP8 Quality: 1 x 4K2K or 2x 720p	Hardware Decode: HEVC4, H.264, VP8, SVC, MVC Quality: 1 x 1080p or 3x 720p	Hardware Decode& Encode: MPEG1, MPEG2,VC1, H.264 Quality: 3 x 4K2K
Graphic Capability	4K2K Raster Image with Advanced Transition/ Animated Effect	1920 x 1080 Raster Image with Advanced Transition/ Animated Effect	4K2K Raster Image with Advanced Transition/ Animated Effect
Audio Output	1 x Line-out, 1 x Mic-in	1 x S/PDIF, 1 x Line-out, 1 x Mic-in	1 x Line-out, 1 x Mic-in
TV Tuner	Optional	Optional	Optional
RS232	1	1	1
USB 2.0/3.0	2 x USB 2.0 4 x USB 3.0	4 x USB 2.0	4 x USB 3.0
Power Type	19V DC	12V DC	12V DC
Dimension (mm)	226.34 x 147.4 x 29	250 x 194 x 40	294 x 198 x 52
Content Support	Video, Image, Flash, RSS News, Web URL, Scrolling Text, Live TV		
Multimedia Format Support	**Video:** MPEG 1/2/4, AVI, WMV, DivX, XVID, VOB, MOV VC-1, H.264, rm, rmvb **Audio:**MIDI, MPEG-1-Audio LayerII (MP2), mp3, SND, M4A, AAC, wav, wma, ogg, ra **Flash:**SWF, FLV **Graphic:**JPG, BMP, PNG, ICO, ICP, GIF, TIFF, WMF		
Streaming Protocol Support	http, mms, udp, rtp, rtsp, IPTV		
Max.Number of Zones	9	9	9
Software Package Management UI	PowerDigiS V2 Web	PowerDigiS V2 Web	PowerDigiS V2 Web

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

Kiosk Panel PC

Model	KPPC-1551	KPPC-1552	KPPC-1561	KPPC-1562	KPPC 5851	KPPC 5852
LCD Size	15" 4:3	15" 4:3	15" 4:3	15" 4:3	15" 4:3	15" 4:3
Max Resolution	XGA, 1024 x 768	XGA, 1024 x 768	XGA, 1024 x 768	XGA, 1024 x 768	XGA, 1024 x 768	XGA, 1024 x 768
Luminance (cd/m2)	250	250	250	250	250	250
Contrast Ratio	700	700	700	700	700	700
Viewing Angle (H+V)	80(U), 80(D), 85(L), 85(R)	80(U), 80(D), 85(L), 85(R)	80(U), 80(D), 85(L), 85(R)	80(U), 80(D), 85(L), 85(R)	80(U), 80(D), 85(L), 85(R)	80(U), 80(D), 85(L), 85(R)
Backlight	LED	LED	LED	LED	LED	LED
LCD Color	16.2M	16.2M	16.2M	16.2M	16.2M	16.2M
Touch Screen	15" Zero Bezel 5-wire Resistive Touch Panel	15" Zero Bezel Projected Capacitive Touch Panel	15" Zero Bezel 5-wire Resistive Touch Panel	15" Zero Bezel Projected Capacitive Touch Panel	15" Zero Bezel 5-Wire Resistive Touch Panel	15" Zero Bezel Projected Capacitive Touch Panel
CPU	Intel® Atom™ D525 Dual Core Processor, 1.8GHz 1M L2 Cache;	Intel® Atom™ D525 Dual Core Processor, 1.8GHz 1M L2 Cache;	Intel® Atom™ J1900 Quad Core Processor, 2.0GHz 2M L2 Cache;	Intel® Atom™ J1900 Quad Core Processor, 2.0GHz 2M L2 Cache;	2nd Generation Intel® Core™ Processor FCBGA 989	2nd Generation Intel® Core™ Processor FCBGA 989
Chipset	Intel® ICH8M, NH82801HBM I/O Control Hub	Intel® ICH8M, NH82801HBM I/O Control Hub	N/A	N/A	Intel® BD82HM65 Platform Controller Hub, BD82HM65	Intel® BD82HM65 Platform Controller Hub, BD82HM65
Memory	2GB DDR3 SO-DIMM Module	2GB DDR3 SO-DIMM Module	4GB DDR3L SO-DIMM Module	4GB DDR3L SO-DIMM Module	2GB DDR3 SO-DIMM Module	2GB DDR3 SO-DIMM Module
Storage Device	1 x 2.5" SATA HDD	1 x 2.5" SATA HDD	1 x 2.5" SATA HDD	1 x 2.5" SATA HDD	1 x 2.5" SATA HDD	1 x 2.5" SATA HDD
2nd Display Output	VGA	VGA	VGA	VGA	VGA	VGA
Ethernet (10/100/1000)	1	1	1	1	1	1
Line-out / MIC	Line-OUT	Line-OUT	Line-OUT / MIC	Line-OUT / MIC	Line-OUT	Line-OUT
USB 2.0 / USB 3.0	4 / 0	4 / 0	2 / 2	2 / 2	4 / 0	4 / 0
Cash Drawer Port	1	1	1	1	1	1
Parallel Port	1	1	(1)	(1)	1	1
COM Port	4x DB-9 Powered RS-232	4x DB-9 Powered RS-232	4x RJ-45 Powered RS-232	4x RJ-45 Powered RS-232	4x DB-9 Powered RS-232	4x DB-9 Powered RS-232
+12VDC-OUT Jack	1	1	1	1	1	1
DC-IN Jack	DC-12V IN	DC-12V IN	DC-24V IN	DC-24V IN	DC-19V IN	DC-19V IN
Power Switch	1	1	1	1	1	1
Internal Speaker	1	1	N/A	N/A	1	1
Expansion	1x Mini-PCIe	1x Mini-PCIe	2 x Mini-PCIe	2 x Mini-PCIe	1x Mini-PCIe	1x Mini-PCIe
Power Supply Adapter	External AC DC 12V/ 8.33A 100W Power Brick	External AC DC 12V/ 8.33A 100W Power Brick	External AC DC 24V/ 5.0A 120W Power Brick	External AC DC 24V/ 5.0A 120W Power Brick	External AC DC 19V/ 6.31A 120W Power Brick	External AC DC 19V/ 6.31A 120W Power Brick
Operating Temp.	0℃ to 40℃	0℃ to 40℃	0℃ to 40℃	0℃ to 40℃	0℃ to 40℃	0℃ to 40℃
Storage Temp.	-20˚C to 60˚C	-20˚C to 60˚C	-20˚C to 60˚C	-20˚C to 60˚C	-20˚C to 60˚C	-20˚C to 60˚C
Operating Humidity	20%~80%, Non-condensing	20%~80%, Non-condensing	20%~80%, Non-condensing	20%~80%, Non-condensing	20%~80%, Non-condensing	20%~80%, Non-condensing
IP Level	Front Bezel IP65	Front Bezel IP65	Front Bezel IP65	Front Bezel IP65	Front Bezel IP65	Front Bezel IP65
Dimension	366(W) x 280(H) x 64.5(D) mm	366(W) x 280(H) x 64.5(D) mm	366(W) x 280(H) x 64.5(D) mm	366(W) x 280(H) x 64.5(D) mm	366(W) x 280(H) x 64.5(D) mm	366(W) x 280(H) x 64.5(D) mm
Weight	5.0kg (11.0lbs)	5.0kg (11.0lbs)	5.0kg (11.0lbs)	5.0kg (11.0lbs)	5.0kg (11.0lbs)	5.0kg (11.0lbs)

Model	KPPC-1612	KPPC-1811	KPPC-1812	KPPC-2212	KPPC-2412	KPPC-2712
LCD Size	15.6" 16:9	18.5" 16:9	18.5" 16:9	21.5" 16:9	24" 16:9	27" 16:9
Max Resolution	WXGA, 1366 x 768	WXGA, 1366 x 768	WXGA, 1366 x 768	FHD, 1920 x 1080	FHD, 1920 x 1080	FHD, 1920 x 1080
Luminance (cd/m2)	200	250	250	250	250	300
Contrast Ratio	600	1,000	1,000	5,000	3,000	3,000
Viewing Angle (H+V)	20(U), 45(D), 45(L), 45(R)	80(U), 80(D), 85(L), 85(R)	80(U), 80(D), 85(L), 85(R)	89(U), 89(D), 89(L), 89(R)	89(U), 89(D), 89(L), 89(R)	89(U), 89(D), 89(L), 89(R)
Backlight	LED	LED	LED	LED	LED	LED
LCD Color	262,144	16.7M	16.7M	16.7M	16.7M	16.7M
Touch Screen	15.6" Zero Bezel Projected Capacitive Touch Panel	18.5"Zero Bezel 5-wire Resistive Touch Panel	18.5" Zero Bezel Projected Capacitive Touch Panel	21.5" Zero Bezel Projected Capacitive Touch Panel	24"Zero Bezel Projected Capacitive Touch Panel	27"Zero Bezel Projected Capacitive Touch Panel
CPU	Intel® Atom™ J1900 Quad Core Processor, 2.0GHz 2M L2 Cache;	Intel® Atom™ J1900 Quad Core Processor, 2.0GHz 2M L2 Cache;	Intel® Atom™ J1900 Quad Core Processor, 2.0GHz 2M L2 Cache;	Intel® Atom™ J1900 Quad Core Processor, 2.0GHz 2M L2 Cache;	Intel® Atom™ J1900 Quad Core Processor, 2.0GHz 2M L2 Cache;	Intel® Atom™ J1900 Quad Core Processor, 2.0GHz 2M L2 Cache;
Chipset	N/A	N/A	N/A	N/A	N/A	N/A
Memory	4GB DDR3L SO-DIMM Module	4GB DDR3L SO-DIMM Module	4GB DDR3L SO-DIMM Module	4GB DDR3L SO-DIMM Module	4GB DDR3L SO-DIMM Module	4GB DDR3L SO-DIMM Module
Storage Device	1 x 2.5" SATA HDD	1 x 2.5" SATA HDD	1 x 2.5" SATA HDD	1 x 2.5" SATA HDD	1 x 2.5" SATA HDD	1 x 2.5" SATA HDD
2nd Display Output	VGA	VGA	VGA	VGA	VGA	VGA
Ethernet (10/100/1000)	1	1	1	1	1	1
Line-out / MIC	Line-OUT / MIC	Line-OUT / MIC	Line-OUT / MIC	Line-OUT / MIC	Line-OUT / MIC	Line-OUT / MIC
USB 2.0 / USB 3.0	2 / 2	2 / 2	2 / 2	2 / 2	2 / 2	2 / 2
Cash Drawer Port	1	1	1	1	1	1
Parallel Port	1	1	1	1	1	1
COM Port	4xRJ-45 Powered RS-232	4xRJ-45 Powered RS-232	4x RJ-45 Powered RS-232	4x RJ-45 Powered RS-232	4x RJ-45 Powered RS-232	4x RJ-45 Powered RS-232
+12VDC-OUT Jack	1	1	1	1	1	1
DC-IN Jack	DC-24V IN	DC-24V IN	DC-24V IN	DC-24V IN	DC-24V IN	DC-24V IN
Power Switch	1	1	1	1	1	1
Internal Speaker	N/A	L/R	L/R	L/R	L/R	L/R
Expansion	2x Mini-PCIe	2x Mini-PCIe	2 x Mini-PCIe	2 x Mini-PCIe	2x Mini-PCIe	1x Mini-PCIe
Power Supply Adapter	External AC DC 24V/ 5.0A 120W Power Brick	External AC DC 24V/ 5.0A 120W Power Brick	External AC DC 24V/ 5.0A 120W Power Brick	External AC DC 24V/ 5.0A 120W Power Brick	External AC DC 24V/ 5.0A 120W Power Brick	External AC DC 24V/ 5.0A 120W Power Brick
Operating Temp.	0℃ to 40℃	0℃ to 40℃	0℃ to 40℃	0℃ to 40℃	0℃ to 40℃	0℃ to 40℃
Storage Temp.	-20˚C to 60˚C	-20˚C to 60˚C	-20˚C to 60˚C	-20˚C to 60˚C	-20˚C to 60˚C	-20˚C to 60˚C
Operating Humidity	20%~80%, Non-condensing	20%~80%, Non-condensing	20%~80%, Non-condensing	20%~80%, Non-condensing	20%~80%, Non-condensing	20%~80%, Non-condensing
IP Level	Front Bezel IP65	Front Bezel IP65	Front Bezel IP65	Front Bezel IP65	Front Bezel IP65	Front Bezel IP65
Dimension	394.6(W) x 331(H) x 49(D) mm	461.6 (W) x 309.8 (H) x 64.5(D) mm	461.6 (W) x 309.8 (H) x 64.5(D) mm	525.2 (W) x 320.2 (H) x 55.3 (D) mm	576.1 (W) x 344.3 (H) x 62.1 (D) mm	647.8 (W) x 469.2 (H) x 63.4 (D) mm
Weight	4.0kg (8.8lbs)	6.2 kg (13.7 lbs)	6.2 kg (13.7 lbs)	7.0 kg (15.4lbs)	9.5 kg (20.9lbs)	10.5kg (23.1lbs)

Open Frame Panel PC

Model	OPPC 1230T	OPPC 1240T	OPPC 1530T	OPPC 1540T	OPPC 1730T	OPPC 1740T	OPPC 1930T	OPPC 1940T
LCD Size	12.1" 4:3	12.1" 4:3	15" 4:3	15" 4:3	17" 4:3	17" 4:3	19" 4:3	19" 4:3
Max. Resolution	SVGA, 800 x 600	SVGA, 800 x 600	XGA, 1024 x 768	XGA, 1024 x 768	SXGA, 1280 x 1024	SXGA, 1280 x 1024	SXGA, 1280 x 1024	SXGA, 1280 x 1024
Luminance (cd/m2)	450	450	400	420	350	350	350	350
Contrast Ratio	700	700	700	700	1000	1000	1000	1000
Viewing Angle (H+V)	65(U), 75(D), 80(L), 80(R)	65(U), 75(D), 80(L), 80(R)	60(U), 80(D), 80(L), 80(R)	60(U), 80(D), 80(L), 80(R)	80(U), 80(D), 85(L), 85(R)	80(U), 80(D), 85(L), 85(R)	80(U), 80(D), 85(L), 85(R)	60(U), 80(D), 80(L), 80(R)
Backlight	LED	LED	LED	LED	LED	LED	LED	LED
LCD Color	16.2M	16.2M	16.2M	16.7M	16.7M	16.7M	16.7M	16.7M
Touch Screen	Resistive 5-wire	Resistive 5-wire	Resistive 5-wire	Resistive 5-wire	Resistive 5-wire	Resistive 5-wire	Resistive 5-wire	Resistive 5-wire
Touch Light Transmission	80%	80%	80%	80%	80%	80%	80%	80%
CPU	Intel® Atom™ D2550 Dual Core 1.86GHz	Intel® Atom™ E3826 Dual Core 1.46GHz	Intel® Atom™ D2550 Dual Core 1.86GHz	IIntel® Atom™ E3826 Dual Core 1.46GHz	IIntel® Atom™ D2550 Dual Core 1.86GHz	Intel® Atom™ D3826 Dual Core 1.46GHz	Intel® Atom™ D2550 Dual Core 1.86GHz	Intel® Atom™ E3826 Dual Core 1.46GHz
Chipset	Intel® NM10 Express	-	Intel® NM10 Express	-	Intel® NM10 Express	-	Intel® NM10 Express	-
Memory	2GB DDR3 SO-DIMM module	2GB DDR3 SO-DIMM module	2GB DDR3 SO-DIMM module	2GB DDR3 SO-DIMM module	2GB DDR3 SO-DIMM module	2GB DDR3 SO-DIMM module	2GB DDR3 SO-DIMM module	2GB DDR3 SO-DIMM module
CF or CFast Socket	1 CFast	1 CFast	1 CFast	1 CFast	1 CFast	1 CFast	1 CFast	1 CFast
2nd Display Output	VGA, HDMI	VGA	VGA, HDMI	VGA	VGA, HDMI	VGA	VGA, HDMI	VGA
PS2 KB/MS	-	1	-	1	-	-	-	-
Ethernet (10/100/1000)	2	2	2	2	2	2	2	2
Line-out	Line-out	Line-out	Line-out	Line-out	Line-out	Line-out	Line-out	Line-out
Line-in	Line-in	-	Line-in	-	Line-in	-	Line-in	-
Mic-in	Mic-in	-	Mic-in	-	Mic-in	-	Mic-in	-
USB2.0 / USB3.0	4/0	2/1	4/0	2/1	4/0	2/1	4/0	2/1
COM port	2 x RS232/422/485	2 x RS232/422/485	2 x RS232/422/485	2 x RS232/422/485	2 x RS232/422/485	2 x RS232/422/485	2 x RS232/422/485	2 x RS232/422/485
Power Switch	1	1	1	1	1	1	1	1
Reset Button	1	1	1	1	1	1	1	1
Power Jack	DC 4 pin DIN Power Jack with shield, 90°	3 Pin Phoneix Connector	DC 4 pin DIN Power Jack with shield, 90°	3 Pin Phoneix Connector	DC 4 pin DIN Power Jack with shield, 90°	3 Pin Phoneix Connector	DC 4 pin DIN Power Jack with shield, 90°	3 Pin Phoneix Connector
2.5" Hard Driver Bay	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Expansion	2 x mini-PCIe	2 x mini-PCIe	2 x mini-PCIe	2 x mini-PCIe	2 x mini-PCIe	2 x mini-PCIe	2 x mini-PCIe	2 x mini-PCIe
Mounting	Panel/Wall/Stand/VESA 75x75, 100x100mm	Panel/Wall/Stand/VESA 75x75, 100x100mm	Panel/Wall/Stand/ VESA 75x75, 100x100mm	Panel/Wall/Stand/ VESA 75x75, 100x100mm	Panel/Wall/Stand/ VESA 75x75, 100x100mm	Panel/Wall/Stand/ VESA 75x75, 100x100mm	Panel/Wall/Stand/ VESA 75x75, 100x100mm	Panel/Wall/Stand/ VESA 75x75, 100x100mm
Power Input	+12 ~ 30VDC	+12 ~ 30VDC	+12 ~ 30VDC	+12 ~ 30VDC	+12 ~ 30VDC	+12 ~ 30VDC	+12 ~ 30VDC	+12 ~ 30VDC
Power Supply Adapter	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Operating Temp.	-5℃ to 50℃	-5℃ to 50℃	-5℃ to 50℃	-5℃ to 50℃	-5℃ to 50℃	-5℃ to 50℃	-5℃ to 50℃	-5℃ to 50℃
Storage Temp.	-20℃ to 75℃	-20℃ to 75℃	-20℃ to 75℃	-20℃ to 75℃	-20℃ to 75℃	-20℃ to 75℃	-20℃ to 75℃	-20℃ to 75℃
Operating Humidity	20% ~ 80%, Non-condensing	10% ~ 90%, Non-condensing	10% ~ 90%, Non-condensing	10% ~ 90%, Non-condensing	20% ~ 80%, Non-condensing	10% ~ 90%, Non-condensing	20% ~ 80%, Non-condensing	10% ~ 90%, Non-condensing
Dimension (WxHxD)(mm)	307 x 240 x 61.8	307 x 240 x 61.8	329 x 280 x 69.3	329 x 280 x 69.3	387 x 323.2 x 73.6	387 x 323.2 x 73.6	422.6 x 350.6 x 75.8	422.6 x 350.6 x 75.8
Weight (kg)	3.8	3.8	4	4	5.6	5.6	6.15	6.15

Open Frame Touch Monitor

Model	OPPD 1500T	OPPD 1900T
LCD Size	15" 4:3	19" 5:4
Max. Resolution	XGA, 1024 x 768	SXGA, 1280 x 1024
Luminance (cd/m2)	400	250
Contrast Ratio	700	1000
Viewing Angle (H+V)	80(U), 80(D), 85(L), 85(R)	80(U), 80(D), 85(L), 85(R)
Backlight	LED	LED
LCD Color	16.7M	16.7M
Touch Screen	Resistive 5-wire	Resistive 5-wire (Flush panel type)
Touch Light Transmission	81%	81%
Touch Screen I/F	RS232	RS232, USB
OSD Function	OSD Keypad	OSD Keypad
Video Input	VGA	VGA, DVI-D
Construction Front Panel	SGCC front bezel	SGCC front bezel
Mounting	Open frame mounting	Wall/Stand/VESA 100 x 100mm
Power Input	+12 ~ 24VDC	+12 ~ 24VDC
Power Supply Adapter	Optional	Optional
Operating Temp.	-10˚C to 50℃	0˚C to 50℃
Storage Temp.	-10˚C to 60˚C	-20˚C to 60˚C
Operating Humidity	10% ~ 90%, Non-condensing	10% ~ 90%, Non-condensing
Certifications	CE, FCC Class A	CE, FCC Class A
Dimension (WxHxD)(mm)	329 x 280 x 69.3	569 x 495 x 152
Weight (kg)	3.5	6.8

AIO PPC & Display

Model	TPPC 2210	TPPD 2200
LCD Size	21.5" 16:9	21.5" 16:9
Max. Resolution	FD 1920x1080	FD 1920x1080
Luminance (cd/m2)	500	500
Contrast Ratio	3000	3000
Viewing Angle (H-V)	89(U), 89(D),89(L), 89 (R)	89(U), 89(D),89(L), 89 (R)
Backlight	LED	LED
LCD Color	16.7M	16.7M
Touch Screen	N/A	N/A
CPU	Intel® CeleronTM N2807 / Dual core 1.58GHz	N/A
Chipset	N/A	N/A
Memory	DDR3L SO-DIMM, up to 4GB	N/A
Storage Device	1 x 2.5"" SSD / 1x mSATA	N/A
2nd Display Output	N/A	N/A
Ethernet (10/100/1000)	1	N/A
Line-out/Mic	N/A	N/A
USB2.0/USB3.0	2/0	N/A
COM Port	1	N/A
CAT5 extender Daisy Chain	TX	TX / RX
Speaker	2W x 2	N/A
power input	DC 9V to 36V	DC 9V to 36V
Expansion	2 x mini PCIe	N/A
Power Switch	1	N/A
Mounting	VESA 75/ 100/ 200	VESA 75/ 100/ 200
Power Jack	2 x 3 P2.5	2 x 3 P2.5
Operating Temp.	-10℃ to 40℃	-10℃ to 40℃
Storage Temp.	-20℃ to 60℃	-20℃ to 60℃
Operating Humidity	10% ~ 90%, Non-condensing	10% ~ 90%, Non-condensing
IP Level	IP54	IP54
Dimension (WxHxD)(mm)	528.46 x 323.06 x 58	528.46 x 323.06 x 58
Weight (kg)	7	7

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.

IAS	iAutomation: factory automation (FA), robotics, industrial PC & PPC, IoT gateway Industrial Wireless & Firewall Solutions Intelligent System Services: embedded computing and customization services
IDS	Intelligent Digital Security: IP Cam, NVR, mobile server platform
IoT	Internet of Things: total solutions for vertical IoT applications Healthcare and Medical Informatics: total solutions with a variety of medical IT systems
ISP	Interactive Signage Platform: digital signage, interactive kiosk
MCS	Mobile Computing Solutions: rugged computer devices, rugged mobile computer Vehicle Telematics Computer: Car PC, heavy duty vehicle, train PC
NCS	Network and Communication Solutions : network security, HPC, telecommunication, storage, SDN/NFV, industrial security

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.

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