



# Intelligent Platform & Services Product Selection Guide

# Intelligent Platform & Services Solution Provider

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# NEXCOM's Vision in Smart Business

With the rise of the Internet of Things, the line between online and offline business has blurred and NEXCOM believes there should be at least three elements involved: Smart Retail, Smart Logistics, and Cloud-based Real-time Management Systems.

## Smart Retail Innovates User Experiences

With insights from sensors and smart devices, physical stores are now able to challenge the established ways of doing business, offering more tailored experiences and incorporating digital elements into the shoppers' journey. Digital Transformation in the retail business answers the demands of customers by creating a new concept of connected stores to bring interactive and customized shopping experiences.

This shift is crucial for bricks and mortar shops in order to address the synergies between the digital and physical worlds. Retailers can now leverage real time data that allows the prediction of customer trends in physical stores. Access to this data helps improve the shopping experience by making use of available technological solutions and improves efficiency and sales.

For instance, when a customer enters a store a camera will recognize their face and instantly identify them, thereby reducing the need for membership cards. A smart shopping way finder APP will then help the customer find the items on their shopping list. On the way through the store, the customer gets shown product recommendations, product details and availability from the Smart Shelf and the O2O Promotion Kit allows the customer to download coupons online and redeem them in the shop.

After picking their items, the customer can simply walk out of the store by paying with their face thereby saving a wait in the queue. After shopping, the customer can order a cup of coffee at the nearby Smart Self-Ordering Kiosk. This kiosk, combined with anonymous audience measurement tools, collects all sales records and customer demographics and produces a report to the retailers for further reference.

All of the scenarios above will greatly reduce labor costs and allow store employees to focus on better customer service. Smart retail will also allow chain store administration to better understand the needs of their customers and provide customized products and services.

## Smart Logistics

In retail environments, in particular the food industry, quality control is essential in a food system that includes everything from farm to fork. NEXCOM believes that logistics management and product traceability are two important elements in Smart Logistic. In the past, retailers used different systems for production, ERP, WMS, CRM, traceability, and recall. With NEXCOM's Cloud based gateway and e-traceability integrated edge server architecture,

integration of all these data into a single place is possible.

Thanks to increased awareness of the supply chain, product and component traceability is now possible from their origin to the finished products final destination where it's purchased by consumers.

Product traceability includes forward tracking to the finished product and retailers/consumers, and backward tracking to the raw material and supply chain/manufacturer. It is an important link in protecting public health since it allows retailers and consumers to identify quickly and accurately the origin of the product and, in case of contamination, the source of the contamination so the product can be removed from the market.

## Smart Retail





## Cloud-based Real-time Management System

There are lots of systems involved in a Smart Business, for instance, store performance Business Intelligence (BI) system, Point-of-sales (POS) system, Enterprise Resource Planning(ERP) system, Customer Relationship Management (CRM) system, digital signage system, and many more. Store administrators have a headache when having to switch between these systems to monitor the various types of data.

IoT Studio is a web-based configuration tool which integrates all store-related analytics and in-store shopper data from multiple sources into one simple dashboard, so that all the data, usually displayed in spreadsheets is presented more intuitively. The IoT Studio delivers powerful insights for store executives, shopper value-apps, omni-channel marketing solutions for campaign managers, and mobile solutions for associates thus providing speed and simplicity to the decision maker.

## Smart Business Co-Creation Team Creates a Better Future

The “Smart Business Co-creation Team” is led by NEXCOM and integrates multi-application intelligent systems with NEXCOM’s IoT Studio and Digital Signage Software.

Partners of the Co-Creation team include Champ Vision’s professional display design and manufacturing capabilities, SkyREC’s retail business analytics system and Quividi’s audience measurement analysis. NEXCOM hopes to penetrate the smart business market with co-creation team’s strong technology and integration capabilities, and we invite more technology partners to join us.



## Cloud-based Real-time Mgmt System



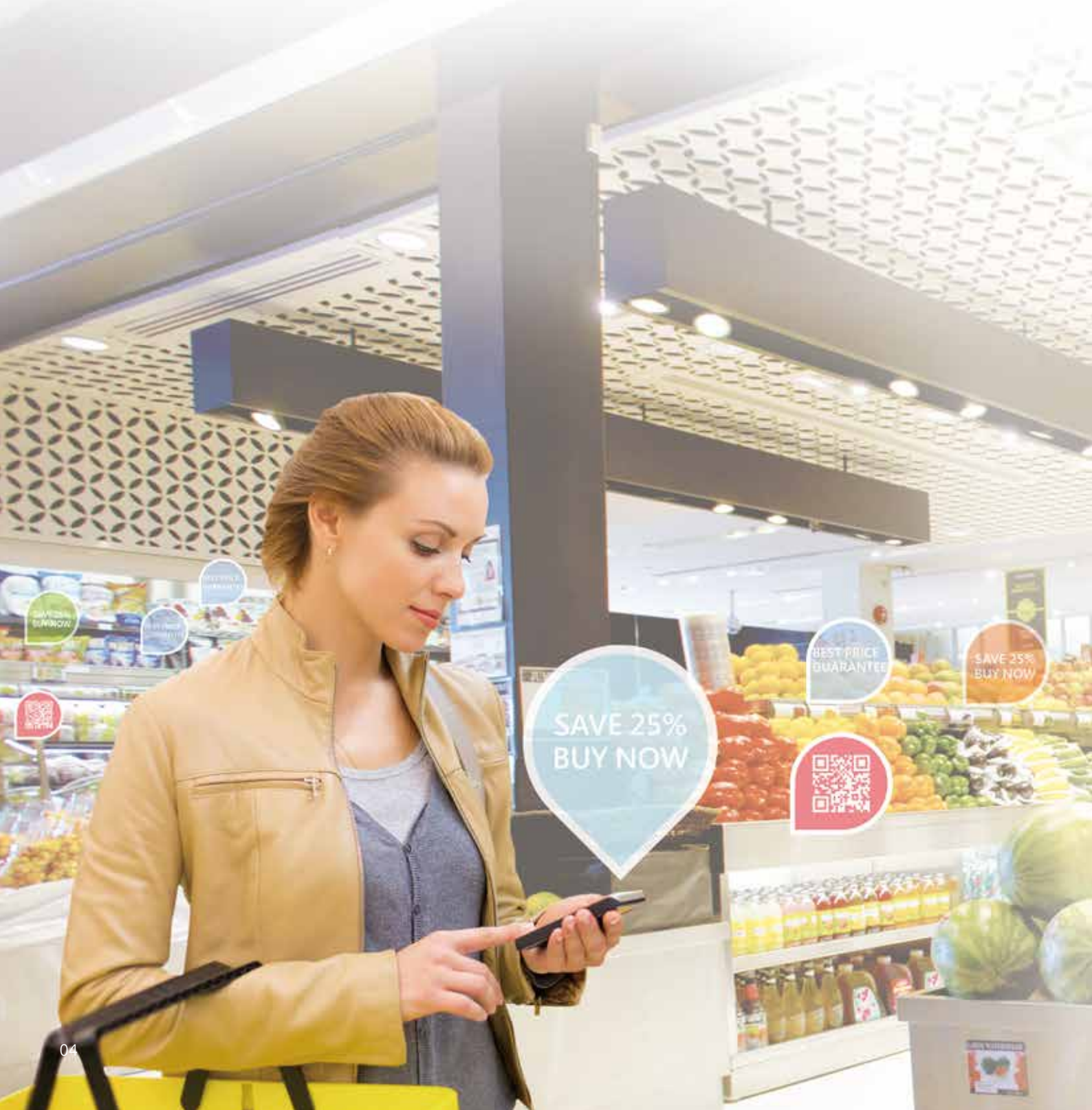


# Intelligent Facial Recognition and Wayfinding Solution

## Intelligent Facial Recognition Solution

During the early stages of unmanned stores, customers need to identify themselves by scanning a QR code from their mobile phone. However, this still requires customers to bring a mobile device with them. The ultimate goal of identification is the use of biometric authentication.

When you're at the entrance to a store, customers simply need to look at the screen, have their photo taken, be registered, and walk in. With the precision of intelligent retail facial recognition, shoppers' behavior is traced, whether they take a specific product from the shelf, or dwell in front of a product browsing the product's details. When the shopper walks out of the store, all they need to do is look at the screen and check-out is automatically performed.





Microsoft  
Cognitive Services



◀ NDiS B537

### Microsoft Cognitive Service Facial Recognition Benefits

- Easy Integration to any system
- Usability – easy sign up and management process
- Relatively cost-effective
- Better scalability to other speech recognition, computer vision, and text analytics services
- Shorten product Time-to-Market

### Smart Wayfinding Solution

Once you're in the mall or store, finding your way around looking for goods can be a challenge. Indoor positioning services enable shoppers to quickly find the easiest route to their products, receive location based coupons and product promotions, and connect to shop personnel for immediate assistance.

Retail wayfinding leverages wall or ceiling mounted Wi-Fi and/or Bluetooth Low Energy Beacons that send signals to the shoppers' smartphone app. Shoppers can store their shopping list in the app that's connected to the shop's product database. The app will sort

the list by location and navigate the shopper through the shop. To reduce the missed opportunities of impulse buys, retailers can send shoppers promotional coupons for products located at aisles they must pass to get to goods on their list.

Retailers can see their shoppers' behavior through a non-intrusive channel, and design tailored promotions to targeted individuals. They can also see where the high traffic or long dwelling time areas are in the shop, so as to improve staff arrangement and facility management.

#### Benefits for visitors



Receive special promotions



Get navigated to the desired products quickly



#### Benefits for retailers



See shoppers' behaviors



Design tailored promotions to targeted individuals



# Smart Shelf / O2O Solution

## Smart Shelf Solutions

Traditional shop-shelves only show the most prominent products on the shelf leaving many goods to go unsold or get close to their sell by dates before being bought. Smart shelf solutions provide smart, interactive technologies to engage customers in new and exciting ways. They can offer personalized advertisements and promotions for different customers, according to their gender, age, and emotions and help shift slow moving goods faster.

NEXCOM's Smart Shelf Solution includes a high-definition facial recognition camera which collects data and sends it to an NDIS B325 (Intel® 6th Gen. Core™ processor) pre-installed with Quividi audience measurement software. After analysis of the customer's age, gender and emotions, it offers real-time personalized promotions or other content through NEXCOM's PowerDigiS signage software. NEXCOM's Smart Shelf Solution provides high-definition video-streaming capabilities, multi-display support, and a rich set of I/Os. The system will also display advertisements to encourage shoppers to make further purchases.

Smart shelves will become the catalyst for the Retail 4.0 transformation since a Smart Shelf Solution can help physical retailers integrate multiple online channels and provide real-time tailored messages in new and exciting ways. By communicating information with vivid visual aids, a Smart Shelf is the ideal point of interest to deliver sales-oriented content which engages optimized sales strategies for owners and increases customer satisfaction.

Another key feature of the Smart Shelf is that customers see the product details i.e. product origin, weight, ingredients, and availability directly on the shelf. New technologies like object detection are also deployed on the shelves, so customers can get the product details by simply picking up the product from the shelf.

## Solution Benefits

- Provide customers with interactive functions to motivate customer purchases
- Provide personalized advertisements and promotions to customers
- Provide retailers with customer demographics and preferences for product promotion planning







### NDiS B325-SI3-QV

Analysis Engine



### VidiReports Pro

Automated Audience & Attention Analytics



### VidiCenter

Online Data Center



### PowerDigiS

Content Management



## O2O Solution

Many bricks-and-mortar stores are adding an online shopping element so that customers can benefit from the integrated shopping experience. Customers who are used to online shopping, but may be frustrated at not receiving the desired size or color of the product, can see these online items in a traditional store using location-based services. Location-based services quickly guide the customers to their desired products by combining the customers' position in the store with their smartphone and the corresponding information in the online store.

Another O2O application is the use of accumulated purchase bonus points from online stores to offline purchases. Location-based services recognize where the shopper is

situated within the store, triggering the app to send a coupon for the product when the shopper is standing. For products that require more waiting time, like the deli counter or fresh sushi, customers can pre-order their items using the app, and retailers are alerted through location-based services when the shoppers are in the store, so they no longer have to wait in line.

Personalized location-based services will make shopping easier for customers, bringing in more revenue for retailers.

## O2O Interactive Shopping & Services



### Quick & Convenient Shopping and Services

O2O Kiosks and Business Analytics Draw in Sales for Stores

### Location-based Services

Significant Increase in Audience Engagement

### Interactive Shopping Guide Service

Using Editorial Content to Recommend Products to Convert Sales with Guided Selling

# Cloud-based Self-ordering Solution

Quick service restaurant (QSR) chains are facing increasing competition from supermarkets and convenience stores that are offering their own prepared food. Increasingly QSR operators are considering implementing self-ordering kiosks to enhance customer engagement, convey brand messages, simplify the ordering process, streamline their labor, and make inventory management more efficient.

When imaging a customer walking up to one of the QSR self-ordering kiosks, the computer will process the customer's face and recommend a customized meal or promotion to the customer. Through only a few clicks, the customer can create their own order and securely process the payment directly from the kiosk. To enhance the self-ordering experience, NEXCOM offers a bundled solution integrated with the NDiS B325-SI3, Full HD cameras, 32" 10 point PCAP touch screen, facial recognition technology, and Quividi audience and attention analytics software, allowing the

NDiS B325-SI3 to analyze audience demographics such as age, gender and other attributes to recommend the perfect meal tailored to the target audience.

All interactive menu content can be easily developed and scheduled by the PowerDigiS web-based digital signage software. The statistical analytics data report can also be accessed from the Microsoft Azure Cloud online data management platform.

The whole solution is perfect for increasing digital signage applications within QSRs, retail outlets, department stores, entertainment venues, hotels, bus/train stations, and hospitals for dynamic message, advertising, or brand promotion.

Microsoft Azure  
Online Data Management

23-28

1,653 Viewers



### NDis B325-SI3

Analysis Engine



### VidiReports Pro

Automated Audience & Attention Analytics



### Microsoft Azure

Online Data Management



### PowerDigiS

Content Management



Business intelligence gives retailers a better understanding of customers' behavior to better adjust and optimize selling strategies accordingly. With the advanced Quividi audience analytics software, NEXCOM's smart self-ordering solution helps QSR operators securely and accurately measure audience dwell and attention times, estimate their gender and age ranges, and turn raw data into actionable business insights.

Powered by an Intel® 6th Generation Core™ processor, the NDis B325-SI3 can help QSR owners access a Microsoft Azure cloud account, collect sales records and accurately analyze demographics and buying patterns, and measure customer engagement.

This provides retailers with valuable information to enhance customer engagement, craft marketing strategies, create an interactive dining experience, trim extra labor costs, boost customer satisfaction, and ultimately optimize in-store sales and efficiencies.

## Solution Benefits

- Drive traffic to increase sales
- Decreased customer queuing time to boost in-store traffic
- Enhanced order accuracy to improve customer satisfaction
- More efficient staffing to trim extra labor costs
- Industrial grade, stable and affordable kiosk solution to increase management efficiency

## PowerDigiS CMS on Microsoft Azure

Microsoft Azure is Infrastructure as a Service, Application Platform as a Service, and Storage as a Services. Users pay according to what they need and how much they use, thus greatly lowering the initial investment. Any user can purchase PowerDigiS CMS software from Azure Marketplace and activate the service immediately.

## Benefits

- Digital signage player central device management from anywhere
- Great expandability in the cloud
- Scale as you need, pay as you go
- Create flexible SaaS business model
- Run service smoothly from any location





# Smart Self-Service Checkout Solution

In a traditional store, checkout owners must worry about arranging shifts, short-handed manpower and labor costs. In order to solve these problems, NEXCOM is dedicated to developing a Smart Self-Checkout solution to save labor costs, reduce queuing time and record each product's sales.

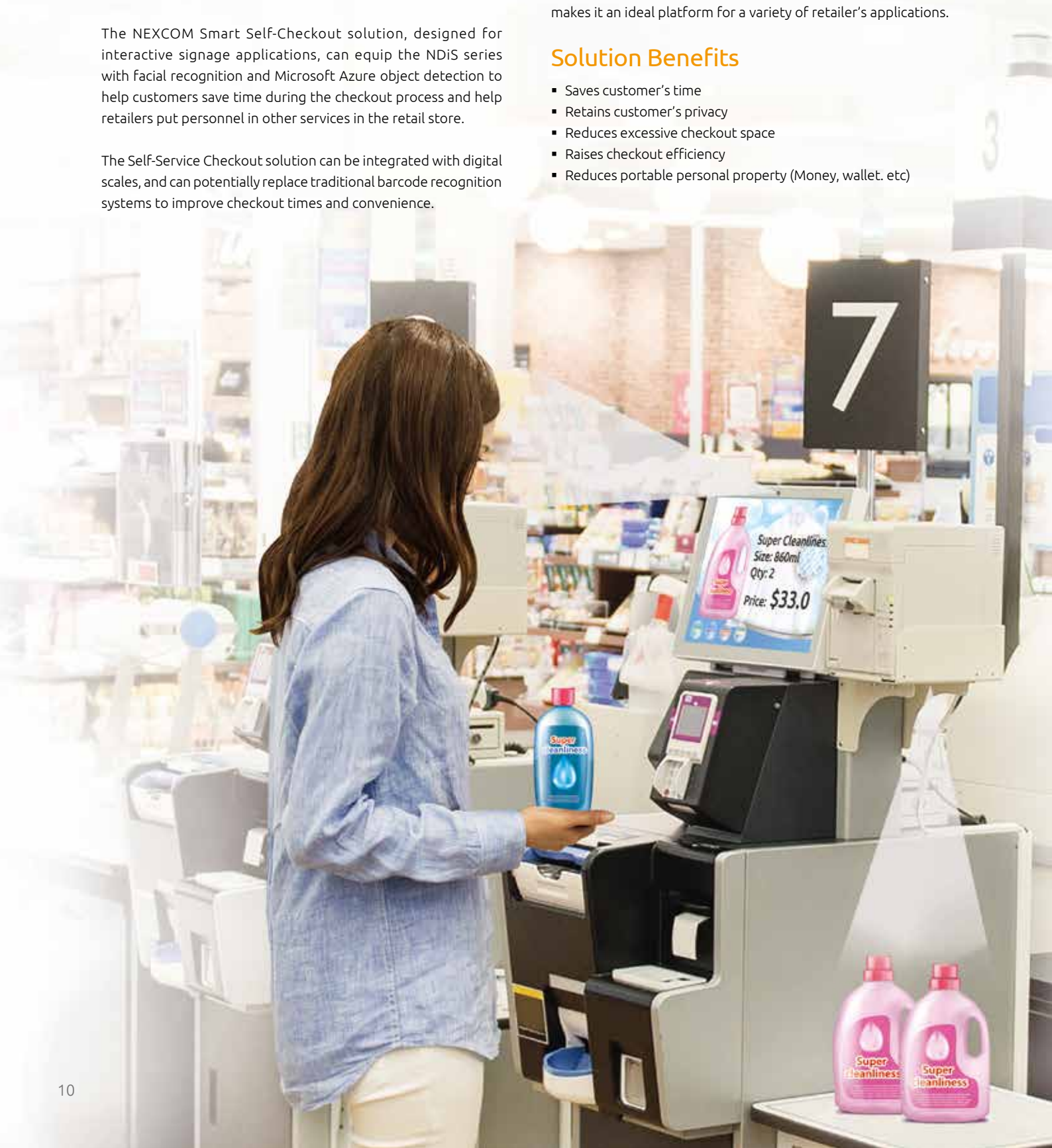
The NEXCOM Smart Self-Checkout solution, designed for interactive signage applications, can equip the NDiS series with facial recognition and Microsoft Azure object detection to help customers save time during the checkout process and help retailers put personnel in other services in the retail store.

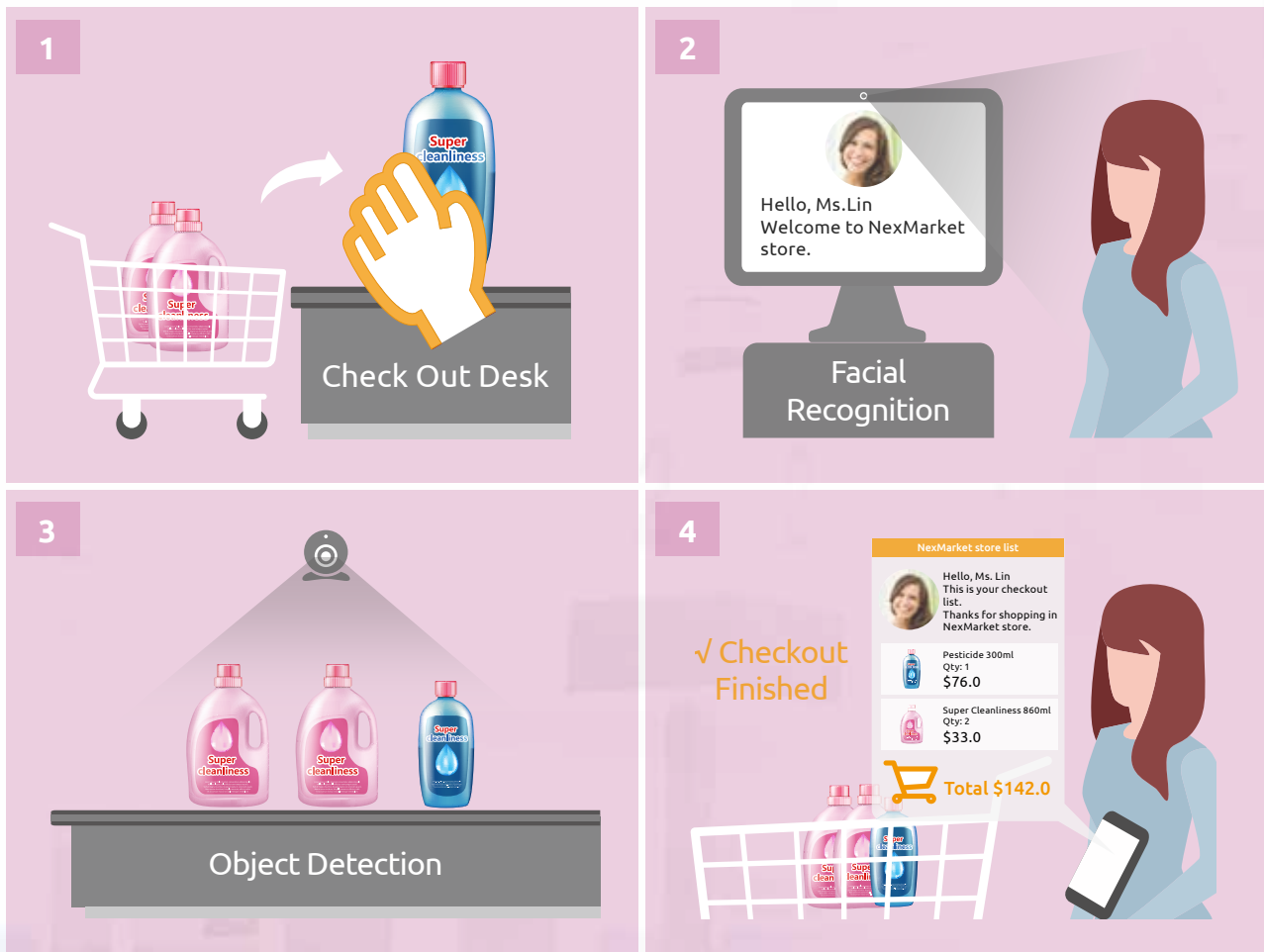
The Self-Service Checkout solution can be integrated with digital scales, and can potentially replace traditional barcode recognition systems to improve checkout times and convenience.

The NEXCOM NDiS B325-SI series feature an advanced fanless thermal design for public environments while maximizing the system with the excellent performance of an Intel® 6th Gen. Core™ processor. The fact that the NDiS B325-SI series is capable of rendering multiple high resolution display outputs simultaneously makes it an ideal platform for a variety of retailer's applications.

## Solution Benefits

- Saves customer's time
- Retains customer's privacy
- Reduces excessive checkout space
- Raises checkout efficiency
- Reduces portable personal property (Money, wallet. etc)





In smart retail store, after customers complete shopping, they can use smart self-checkout system to save the hassle waiting in a long line. The smart self-checkout system identifies the customer and performs object detection for checkout. All payments are automatically deducted from a connected bank account.

## The NDiS P Series

The NDiS P Series can accommodate PCIe x16 graphic cards for GPU intensive applications in visual recognition based self-service checkout systems.

The NDiS P Series is perfectly designed for applications that

require high graphic computing power. Applications include facial recognition solution, smart shelf self-checkout solution, business intelligence solution, security & surveillance system, and other AI deep learning applications.

### NDiS P series

- 7th generation Intel® Core™ processor support
- PCIe x 16 slot add-on card for graphic intensive applications
- Dual GbE Intel LAN with iAMT remote management feature
- 2 \* Dual Channel DDR4 2133MHz up to 32GB
- Best for AI and deep learning applications

**NDiS P Series** ▶  
Object Detection Engine



# Smart Retail Dashboard

Over the past few years, traditional analytics dashboards are delivered from CRM, ERP, POS and sales' reports and they often provide overcomplicated data and inaccurate documents which don't help retailers improve their sales. In the modern retail environment this is not acceptable and the collection of big data, to analyze the statistics and to develop customized business intelligence for retailers is necessary.

NEXCOM is dedicated to developing a Smart Retail Dashboard which connects to customers' ERP system, CRM system, POS system, and digital signage system, to offer customer profile analysis, in-store hotspots, transaction analysis, popular goods analysis and much more.

NEXCOM IoT Studio enables retailers to migrate to smart retail. IoT Studio provides a comprehensive Smart Dashboard that delivers all store-related analytics and in-store shopper data from multiple sources into one simple dashboard. It allows retailers to monitor their in-store status remotely from their mobile phones or other portable devices.

IoT Studio also allows retailers to optimize their staff shifts, provide customer visits and dwelling time analysis reports related to weather, holidays, or promotions. Retailers can now use this information to arrange staff rotas and avoid being over or under staffed.

IoT Studio also lets retailers see the conversion rate of their shoppers, including all of the real purchases made by visitors to the store, and the relation between these purchases and a specific promotion or holiday season. Analysis of the top selling products can be highlighted to retailers so they can identify the best-selling items in a specific period and design promotional activities according to the report.

When a store receives a large order from a customer that requires instant delivery, they can check on the IoT Studio retail dashboard for a real-time inventory update from the different branches and the products in production. This allows retailers to fulfill orders instantly and see which products are low in stock and require production.







The NDIS B866 is equipped with outstanding graphics performance to recreate the sophistication and vividness of 4K Ultra HD content. Featuring Intel® 6th Gen Core™ i processor and AMD Embedded Radeon™ E8870 MXM module, the video wall player can display amazing visuals and a holistic view of store operations and activities on a grid of up to six panels, underpinning information delivery, image visibility, and operational transparency required of applications.

Starting from installation, six unified HDMI ports on the back side of the NDIS B866 facilitate the wiring while its slim 1U rackmount

form factor can easily fit in a server rack or back office. During the course of operation content can be uploaded and the player maintained efficiently over the network.

Thanks to Intel® Active Management Technology, system engineers can use out-of-band access for remote configuration, inspection, and troubleshooting, restoring the NDIS B866 to its optimal condition even when the player is powered off or the operating system fails. The NDIS B866, along with IoT Studio, allows the remote viewing of in-store images and operations by retailers.

### NDIS B866

- 6th generation Intel® Core™ processor support
- Discrete AMD RADEON™ E8870 Embedded GPU on MXM module
- 6 HDMI output (4K2K resolution support) for dashboard or video wall
- Compact 1U chassis design that can easily fit in a server rack
- Best for war room and DOOH video wall applications



**NDIS B866** ▶  
Video wall player

# Video Wall Solution

Moving along with the advancement of new technologies, the retailers' business model has evolved from conventional storefront sales into e-commerce. Centered on consumers, smart retailers have become the mainstream of the business service industry.

NEXCOM is riding the trend and responding to market changes with innovation. Co-working with strategy partners, using the core technologies, it is innovating its business service and developing Integrated System Services, including a Smart Retail Integration System, Interactive Public Information and Service System, Cloud-based Remote Device Management Service System by NEXCOM PowerDigiS and IoT Studio.

In addition, NEXCOM also offers a comprehensive range of displays for virtually any various video wall and signage marketing requirements.

## Video Wall Display

The Seamless Display is designed for video wall applications with the narrowest bezel width in the industry. Featuring a near all-round 0 mm panel bezel, resulting in the distance between two adjacent areas (A2A) of less than 0.5mm. Spread across multiple displays this both amazes and impresses customers.



## Ultra-Slim Dual Display

The Ultra-Slim Dual Display provides an ultra-thin depth and an ultra-slim border design, enabling to be installed in various indoor surroundings. Featuring a high 700nits brightness, FHD resolution, and 178° wide viewing angle, the Ultra-Slim Dual Display series deliver a superior vivid visual experience.



# Outdoor Signage Solution

## Outdoor Display

The Outdoor Display provides reliable and stable operation in virtually any environment. Featuring high brightness, sunlight readable technology, and a cooling cell system design, NEXCOM outdoor displays ensure to durability and stability to operate 24/7 in a wide range of temperatures.

The NDiS B336R interactive signage player operates through sun and rain, reliably distributing messages and assistance despite challenges from the elements. Fanless and slim, the NDiS B336R, with Intel® Atom™ x7-E3950 processor, incorporates 4K graphical display capabilities, multi-display support, and quick-to-install designs. Coupled with a high/low temperature endurance for outdoor use, the NDiS B336R can take orders at restaurant's drive-thru lanes, display advertisements at high footfall road junctions, and assist confused tourists.



Water  
Proof



Dust  
Proof



Wide  
Temp



The fanless NDiS B336R can be installed into Champ Vision IP grade displays for applications such as information stands and self-service kiosks. The NDiS B336R can drive three displays simultaneously, supporting a multi-display configuration with a streamlined system architecture. Besides menu items, the interactive signage player can play posters and commercial videos in Ultra HD 4K resolutions and, if outfitted with cameras, provides live video streaming for store staff to chat face-to-face with drivers.

### Key Benefits

- Ruggedized design for semi-outdoor/outdoor signage
- Compact and slim design to fit into surrounding decorations
- Wide temperature support
- Supports Wi-Fi, GPS, and 3G modules
- Maintenance-free fanless design

**NDiS B336R** ▶  
Wide-temp Player





# Digital Signage Software – PowerDigiS

## PowerDigiS Interactive Features

With the advancement in image processing and IoT sensor technology, digital signage today provides smart, interactive features to engage customers in new exciting ways. bringing unprecedented opportunities to the retail market.

PowerDigiS offers interactive functions to enhance customer experience from day one. End customers can interact with signage

through many different ways, including GPS for LBS service, face detection/object detection to trigger pre-defined Ads according to gender/age, AR for image fusion to overlap a graphic on top of audience, gesture control for audience to browse wayfinding system with fingers, temperature/humidity sensors to trigger weather alarm or ice cream discount Ads.etc.



PowerDigiS is a simple digital signage software to help enhance customer satisfaction and boost sales revenue in the retail industry. NEXCOM's PowerDigiS software features a web-based remote management console and a user-friendly interface, allowing SMB retailers to manage digital signage contents with just a few clicks. PowerDigiS supports event trigger function which can treat temp sensor, humidity sensor, GPS sensor, facial analytics result, touch screen a trigger point and play pre-defined content.

## 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

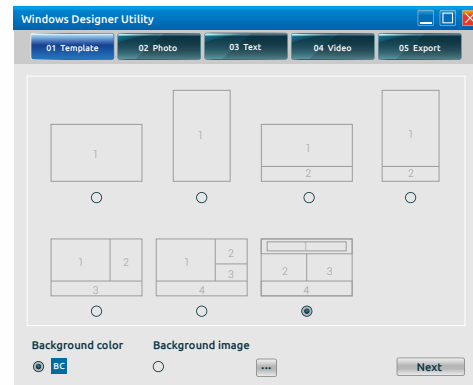


DS Service Provider

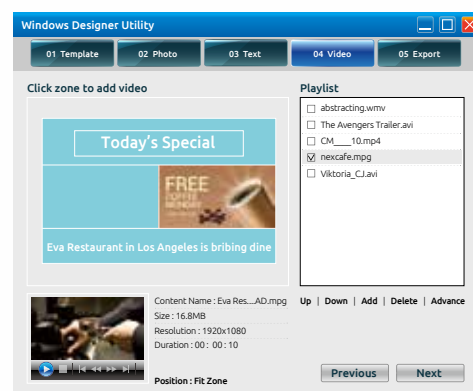


Advertising Network

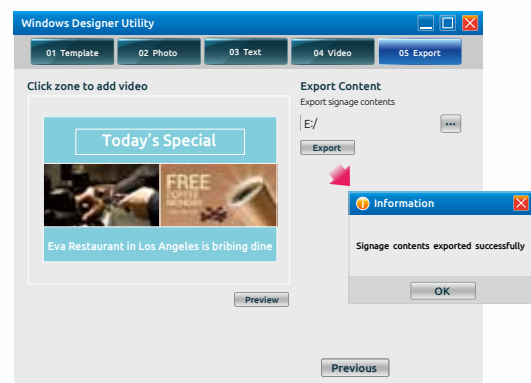
### Three Steps to Play



### Select Layout Template



### Add Contents



### Export Presentation to USB



# New Kiosk Panel PC Features

## NEXCOM Kiosk Panel PC (KPPC)

The KPPC series panel PC, a specialized all-in-one panel computer with 10.1" to 21.5" PCAP touchscreen, opens a new era of light industrial and kiosk applications. Its robustness meets industrial standards and its scalability makes it easy to expand I/O and internal board options. The KPPC is designed for a wide range of applications which can be applied in different scenarios.

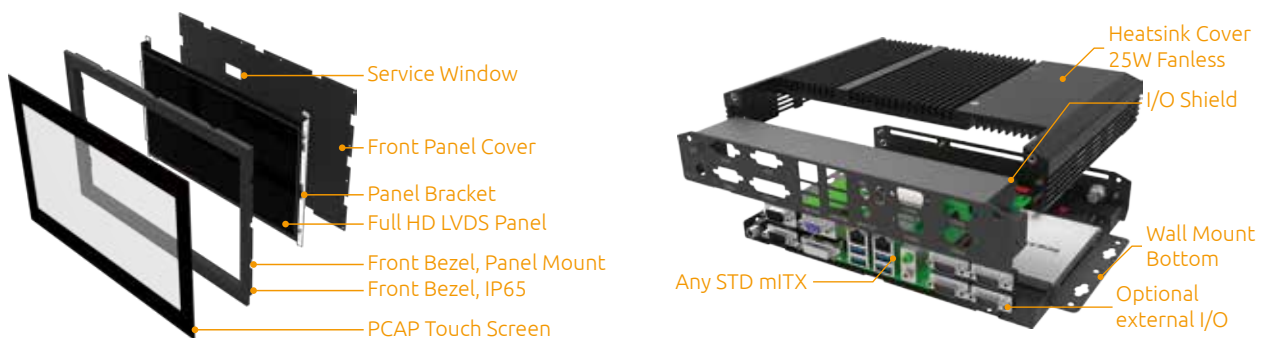


The Kiosk Panel PC (KPPC) is a standardized all-in-one system with two interdependent parts: the display and the system (IKS) which can be operated together or separately. The advanced electronic design integrates the display, touch, and computing signal in an embedded board, which provides the most reliable display computing.

Together these technologies offer possibilities for changing the display size of a system, upgrading the computing performance and the I/O connectivity depending entirely on the requirements of the application.

## Design Concepts

- Budget Friendly - meets the customer's needs
- Modular Design - easy to maintain.
- Wide purpose - delivers more opportunities

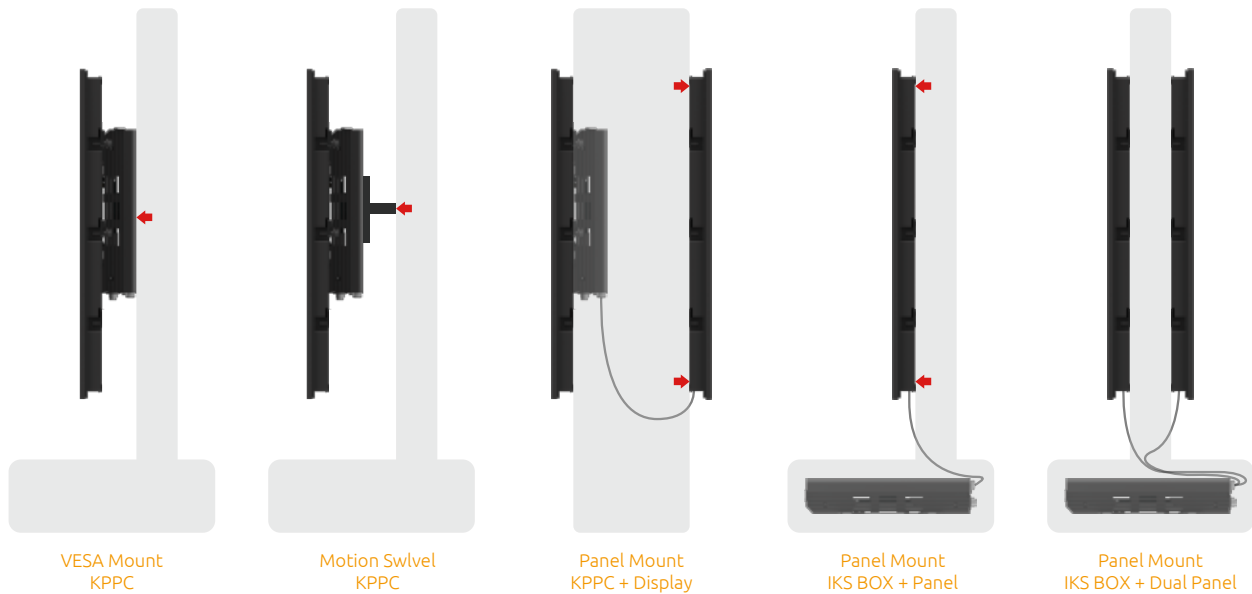




## Wide ranging purposes, extend more opportunity

The KPPC's flat surface design supports an IP6 front panel and VESA mounting. In addition, it provides a flexible solution for all your applications. Such as external of HDMI/DP/DVI/VGA to extend to even more displays and separate the panel PC into panel displays and install an industrial fanless system for various scenarios.

Today, a greater number of customers are looking for advanced services such as round-the-clock service or just-in-time delivery. The new NEXCOM KPPC series is standardized and modular, and provides customized service to support your versatile kiosk with the reliability and user-friendliness required for your smart business.



## Customization Service for KPPC

Now, it's time to upgrade your service platform with NEXCOM KPPC solutions, and their advanced communication functions and solid engineering. These solutions help you keep up with your customers while staying a step ahead of the competition.























<b>Panel</b>	Brightness enhancement Sunlight readable 10.1, 15.6, 18.5, 21.5 panel
<b>Touch</b>	Touch Mode customization Glass only Anti-Vandal
<b>SBC</b>	Remove unused I/O ports Add extra I/O ports Customized BIOS
<b>Coating</b>	Anti-Reflective/Glare Anti-Finger print Anti-UV
<b>Mounting</b>	Panel Mount VESA Mount Stand

# NDiS Product Selection Guide





Fan

Fanless

4K Resolution







Number of Display Outputs	Processor \ Output Platform	HDMI	DP	VGA	DVI	Multimedia Support	Recommended Model
1	ARM	1				4K Full HD 1080 	NDiS B115
	Intel Atom	1				Full HD 1080 	NDiS 126
2	Intel Atom	1		1		Full HD 1080 	NDiS 126V
		2				Full HD 1080 	NDiS 126H
	AMD G series	1		1		Full HD 1080 	NDiS 127
		2				Full HD 1080 	NDiS M422
	Intel Celeron	1		1		Full HD 1080 	NDiS B325
		2				Full HD 1080 	NDiS M324
		2				4K Full HD 1080 	NDiS B426
	Intel Core i	1	1			4K Full HD 1080 	NDiS B425-Si3
		2				4K Full HD 1080 	NDiS B325-Si3 NDiS B325-Si5 NDiS B537
	Intel Celeron	3				4K Full HD 1080 	NDiS M335
3	Intel Atom	2	1			4K Full HD 1080 	NDiS B336R
	Intel Core i	1		1	1	Full HD 1080 	NDiS 166
		1	1		1	Full HD 1080 	NDiS 167
		2				Full HD 1080 	NDiS M532
		2				4K Full HD 1080 	NDiS M533
		2	1			4K Full HD 1080 	NDiS M535 NDiS B537-I
		3				Full HD 1080 	NDiS B532
		1	2			4K Full HD 1080 	NDiS M537
		3				4K Full HD 1080 	NDiS B533 NDiS B535
6	Intel Core i	6				4K Full HD 1080 	NDiS B866

# Digital Signage Player Appliance

Model				Model	
	<b>PDSB 325</b>	<b>PDSB 166</b>	<b>PDSB 535</b>		<b>CMS 1100</b>
Storage	320GB HDD	320GB HDD	320GB HDD	Storage	320GB HDD
LAN	1 x 10/100/1000Mbps	1 x 10/100/1000Mbps	2 x 10/100/1000Mbps	LAN	x4, 10/100/1000Mbps
WLAN	Optional	Optional	Optional	WLAN	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		
Video Capability	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	RS232	N/A
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	USB 2.0	2
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	Power Type	12V DC
TV Tuner	Optional	Optional	Optional	Dimension (mm)	272 x 195 x 44
RS232	1	1	1	Max. Number of Zones	100
USB 2.0/3.0	2 x USB 2.0 4 x USB 3.0	4 x USB 3.0	4 x USB 3.0	Player Device Management	Add/Remove/Edit player or player group Start/Stop/Pause presentation Player/ Player Group power off/reset
Power Type	19V DC	12V DC	12V DC	Presentation Distribution	Player or Player Group
Dimension (mm)	226.34 x 147.4 x 29	250 x 194 x 40	294 x 198 x 52	Presentation Schedule	Player or Player Group
Content Support	Video, Image, Flash, RSS News, Web URL, Scrolling Text, Live TV			Content Management	Player or Player Group
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			Emergency Message	Player or Player Group
Streaming Protocol Support	http, mms, udp, rtp, rtsp, IPTV				
Max.Number of Zones	9	9	9		








# Value Digital Signage Player

Model						
	NDiS B115	NDiS 126	NDiS 127	NDiS B325	NDiS B425-S13	NDiS B336R
CPU	Rockchip RK3288	Intel® Atom™ D2550	AMD G-series T56N	Intel® Celeron® N3150/ Core i3-6100U/ Core™ i5-6200U	Intel® Core i3-6100U	Intel® Atom E3950
Chipset	Embedded	Intel® NM10	Intel® AMD A55E	N/A	N/A	N/A
Graphic	MaliT760 (Embedded)	Intel® GMA 3650	ATI HD6320	Intel® HD Graphics/ HD520 Graphics/ HD520 Graphics	Intel® HD520 Graphics	Intel® Gen. 9 Graphics
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 16GB	2 x DDR3L SO-DIMM, up to 16GB
LAN	1x 10/100/1000Mbps	x2, 10/100/1000Mbps	x1, 10/100/1000Mbps	x1, 10/100/1000Mbps	x1, 10/100/1000Mbps	x1, 10/100/1000Mbps
WLAN	on board 802.11 b/g/n	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
Flash Storage	eMMC2 16GB on board	N/A	N/A	N/A	N/A	N/A
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	1 x Mini-DP, 1 x HDMI	1xDP, 2xHDMI
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
Output Channel	1 Independent	2 Independent or Clone	2 Independent or Clone	2 Independent or Clone	2 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
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
TV Tuner	N/A	Optional	Optional	Optional	Optional	Optional
RS-232	1 (UART)	1	1	1	1	1
USB 2.0	2	6	4	2	0	0
USB 3.0	N/A	N/A	N/A	4	4	5
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 (Half)	1 x Mini-PCIe 1 x NGFF(M2) 2230
Operating Temperature	-10°C to 50°C	0°C to 40°C	0°C to 40°C	-20°C to 50°C	0°C to 40°C	-20°C to 60°C
Power Type	5V DC	12V DC	12V DC	19V DC	19V DC	19V 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	167x 139.6 x 45	259 x 147.4 x 21
OS Support	Android 4.4	Win7/ WES7	Win7/ Win8/ XP/ WES7/ WE8S/ WES2009/ Linux	Win7/ WES7/ Win8 / WE8S/ Win10/ Linux	Win7/ WES7/ Win8/ WE8S/ Win10/ Linux	Win10/ Linux



# High-performance Digital Signage Player

				
NDiS 167	NDiS B532	NDiS B533	NDiS B535	NDiS B537/NDiS B537-I
2nd/ 3rd generation Intel® Core™ rPGA socket type	2nd/ 3rd generation Intel® Core™ rPGA socket type	4th generation Intel® Core™ LGA socket type processor	6th generation Intel® Core™ LGA socket type processor (up to 35W)	7/6th generation Intel® Core™ LGA socket type processor (up to 35W)
Intel® QM77	Intel® QM77	Intel® Q87	Intel® Q170 PCH	Intel® H110 PCH(B537)/ Intel® Q170 PCH (B537-I)
Intel® HD Graphics 3000 / 4000	Intel® HD Graphics 4000	Intel® integrated HD4600 graphic engine	Intel® integrated HD 530 graphic engine	Intel® integrated HD 600 series
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 DDR4 SO-DIMM up to 32GB	2 x DDR4 SO-DIMM up to 32GB
x2, 10/100/1000Mbps	x2, 10/100/1000Mbps	x2, 10/100/1000Mbps	x2, 10/100/1000Mbps	x1, 10/100/1000Mbps(B537)/ x2, 10/100/1000Mbps(B537-I)
Optional	Optional	Optional	Optional	Optional
1 x 2.5" SATA	1 x 2.5" SATA	1x2.5" SATA	1x2.5" SATA	1x2.5" SATA
SATA DOM	SATA DOM	SATA DOM	NGFF (M2) 22 x 42 / 22 x 80	N/A
1 x Display Port, 1 x DVI-I, 1 x HDMI	3 x HDMI	3 x HDMI	3 x HDMI(2.0)	B537: 1x HDMI, 1x HDMI(2.0)/ B537-I: 1x HDMI, 1x HDMI(2.0), 1x Display Port
1920 x 1080	1920 x 1080	3840 x 2160	3840 x 2160	up to 3840 x 2160
3 Independent or Clone	3 Independent or Clone	3 Independent or Clone	3 Independent or Clone	2 Independent or Clone/ 3 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: MPEG2, VC1, VP8, H.264, H/265	Hardware decode: MPEG2, VC1, VP9, H.264, H/265
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	1 x Line-out, 1 x Mic-in
Optional	Optional	Optional	Optional	Optional
2	2	2	4	2
N/A	N/A	N/A	N/A	N/A
4	4	4	6	4
2 x Mini-PCIe	2 x Mini-PCIe	2 x Mini-PCIe	1 x Mini-PCIe 1 x NGFF(M2) 2230	1 x Mini-PCIe 1 x NGFF(M2) 2230
0°C to 40°C	0°C to 40°C	0°C to 40°C	0°C to 40°C	-10°C to 45°C
12V DC	12V DC	12V DC	12V DC	12V DC
250 x 194 x 40	294 x 198 x 52	294 x 198 x 52	294 x 198 x 52	295 x 189.9 x 33
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	Win10/ Linux


# OPS Module Player

Model					
	NDiS M324	NDiS M335	NDiS M422	NDiS M532	NDiS M533
CPU	Intel® Celeron® processor J1900	Intel® Celeron® N3150	AMD G-series T56N	2nd/ 3rd generation Intel® Core™ rPGA socket type	4th generation Intel® Core™ processor i3-4100/ i5-4400E / i7-4700EQ
Chipset	N/A	N/A	AMD A50M	Intel® QM77	Intel® QM87
Graphic	Intel® Gen. 7 graphics	Intel® HD Graphics	AMD Radeon™ 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, 10/100/1000Mbps	x1, 10/100/1000Mbps	x1, 10/100/1000Mbps	x2, 10/100/1000Mbps	x1, 10/100/1000Mbps
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 (M2) 22x42 (SATA)	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	HDMI1:1920 x 1080 HDMI2: 3840 x 2160 TMDS(via JAE):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: 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,
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 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
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)
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 Mini-PCIe	2 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
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)
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/ WE8/Win8/ WE8S /Linux	Win7/ WE8/ Win8/ WE8S/ Win10 / Linux	Win7/ Win8/ XP/ WE8/ WE8S/ WE82009/ Linux	Win7/ Win8/ XP/ WE8/ WE8S/ WE82009/ Linux	Win7/ Win8/ XP/ WE8/ WE8S/ WE82009/ Linux

## OPS Module Player






Model		
	<b>NDiS M535</b>	<b>NDiS M537 (OPS+)</b>
CPU	6th generation Intel® Core™ i5-6440EQ/i7-6820EQ BGA type processor	7/6th generation Intel® Core™ LGA socket type processor (up to 35W)
Chipset	Intel® QM170 PCH	Intel® Q170 PCH
Graphic	Intel® integrated HD 530 graphic engine	Intel® integrated HD 600 series
RAM	2 x DDR4 SO-DIMM, up to 32GB	2 x DDR4 SO-DIMM, up to 32GB
LAN	x1, 10/100/1000Mbps	x1, 10/100/1000Mbps
WLAN	Optional	N/A
Hard Disk	1 x 2.5" SATA	N/A
Flash Storage	N/A	NGFF (M2) 22x42 (SATA)
Video Output	1 x HDMI(2.0), 1 x Mini DP, 1 x TMDS(HDMI2.0) (via JAE connector)	1 x Mini DP, 1 x TMDS(HDMI2.0) (via JAE connector) 1x DP (via FX18)
Display Resolution	3840 x 2160	3840 x 2160
Output Channel	3 Independent or Clone	3 Independent or Clone
Video Capability	Hardware decode: MPEG2,VC1, VP8, H.264, H/265	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)
TV Tuner	Optional	N/A
RS-232	1 x TX/RX (via JAE connector)	1 x TX/RX (via JAE connector)
USB 2.0	2 (2 x via JAE connector)	2 (2 x via JAE connector)
USB 3.0	3 (2 x External, 1 x via JAE connector)	3 (2 x External, 1 x via JAE connector)
Expansion Slot	1 x Mini-PCIe	1 x M.2 2230
Operating Temperature	0°C to 45°C	0°C to 45°C
Power Type	12 ~ 19V DC (via JAE connector)	12 ~ 19V DC (via JAE connector)
Dimension (mm)	200 x 119 x 30	200 x 119 x 30
OS Support	Win7/ WE8/ Win8/ WE8S/ Win10 / Linux	Win10 / Linux

## Multi-display player







Model		coming soon
	<b>NDiS B866</b>	<b>NDiS B8C6</b>
CPU	6th generation Intel® Core™ LGA socket type processor (up to 65W)	6th generation Intel® Core™ LGA socket type processor (up to 65W)
Chipset	Intel® Q170 PCH	Intel® Q170 PCH
Graphic	AMD Radeon™ E8870	AMD Radeon™ E8870
RAM	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
Hard Disk	2 x 2.5" SATA	2 x 2.5" SATA
Flash Storage	N/A	N/A
Video Output	6 x HDMI 2.0	12 x HDMI 1.4
Display Resolution	3840 x 2160	1920 x 1080
Output Channel	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
Audio Output	1 x S/PDIF, 1 x MIC-in, 1 x Line-out	1 x S/PDIF, 1 x MIC-in, 1 x Line-out
TV Tuner	Optional	Optional
RS-232	2	2
USB 2.0	N/A	N/A
USB 3.0	6	6
Expansion Slot	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°C to 40°C	0°C to 40°C
Power Type	300W ATX power supply	250W ATX power supply
Dimension (mm)	428 x 344 x 44	428 x 394 x 44
OS Support	Win7/ Win8.1/ Win10/ Linux	Win7/ Win8.1/ Win10/ Linux









# Kiosk Panel PC

Model					
	KPPC-1055A	KPPC-1057X	KPPC-1514A	KPPC-1521A	KPPC-1522A
LCD Size	10.1" 16:9	10.1" 16:9	15.6" 16:9	15.6" 16:9	15.6" 16:9
Max. Resolution	WXGA, 1280 x 800	WXGA, 1280 x 800	1366 x768	1366 x768	1366 x768
Luminance (cd/m2)	350	350	400	400	400
Contrast Ratio	800	800	500	500	500
Viewing Angle (H-V)	85(U), 85(D), 85(L), 85(R)	85(U), 85(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
LCD Color	16.7M	16.7M	16.7M	16.7M	16.7M
Touch Screen	10.1" Zero Bezel Projected Capacitive Touch Panel	10.1" Zero Bezel Projected Capacitive Touch Panel	15.6" Zero Bezel Projected Capacitive Touch Panel	15.6" Zero Bezel Projected Capacitive Touch Panel	15.6" Zero Bezel Projected Capacitive Touch Panel
CPU	Intel® Bay Trail™ N2930 Quad Core Processor, Up to 2.16GHz, 7.5W, 2M L2 Cache	Intel® Atom™ E3930 Dual Core Processor, Up to 1.8GHz, 6.5W, 2M L2 Cache	Intel® Skylake-U Celeron processors Celeron 3955U	Intel® Celeron N3060 Dual Processor, Up to 2.48G, 6W, 2M L2 Cache	Intel® Celeron N3350 Dual Processor, Up to 2.40G, 6W, 2M L2 Cache
Memory	1X DDR3L 1333 MHz SO-DIMM, Up to 8GB (optional)	2 X DDR3L 1333 MHz SO-DIMM, Up to 8GB (optional)	2 x DDR4 2133 MHz SO-DIMM, Up to 32GB Non-ECC, Un-buffered (optional)	1x DDR3L 1333 MHz SO-DIMM, Up to 8GB (optional)	2 x DDR3L 1333/1600/1867 MHz SO-DIMM, Up to 16GB (optional)
Storage Device	1 x 2.5" SATA SSD drive bay, limit to 7 mm height (optional)	1 x 2.5" SATA SSD drive bay, limit to 7 mm height (optional)	1 x 2.5" SATA SSD drive bay (optional)	1 x 2.5" SATA SSD drive bay (optional)	1 x 2.5" SATA SSD drive bay (optional)
2nd Display Output	VGA	VGA/HDMI	DP/HDMI	VGA/DVI-D	VGA/HDMI
Ethernet (10/100/1000)	2	2	2	2	2
Line-out / MIC	1/X	X/X	1/X	1/1	1/1
USB 2.0 /USB 3.0	3/1	2/2	1/4	1/4	3/2
COM Port	1xRS232 1xRS232, 422, 485 selectable	1 x RS232 1xRS232, 422, 485 selectable	3xRS232 1xRS232, 422, 485 selectable	4xRS232 1xRS232, 422, 485 selectable	5 x RS232 1 x RS232, 422, 485 selectable
DC-IN Jack	DC-9-24V IN	DC-12V IN	DC-12V IN	DC-12V IN	DC12-24V IN
Power Switch	1	1	1	1	1
Internal Speaker	x	x	x	x	x
Expansion	1 x miniPCIe(H/S) 1 x mSATA (F/S)	1 x M.2 B-Key (2242)	1 x M.2 M-key (2280) 1x miniPCIe	1 x M.2 M-key (2280) 1 x mini-PCIe (F/S)	1 x M.2 M key (2242) for SATA 1 x M.2 E Key (2230) for PCIe
Power Supply Adapter	External AC DC 12V/ 5A 60W power adapter (optional)	External AC DC 12V/ 5A 60W power adapter (optional)	External AC DC 12V/ 5A 60W power adapter (optional)	External AC DC 12V/ 5A 60W power adapter (optional)	External AC DC 12V/ 5A 60W power adapter (optional)
Operating Temp.	0°C to 50°C	-20°C to 60°C	0°C to 50°C	0°C to 50°C	0°C to 50°C
Storage Temp.	-20°C to 60°C	-30°C to 80°C	-20°C to 60°C	-20°C to 60°C	-20°C to 60°C
Operating Humidity	10%~90%, Non-condensing	10%~90%, Non-condensing	10%~90%, Non-condensing	10%~90%, Non-condensing	10%~90%, Non-condensing
IP Level	Front Bezel IP65	Front Bezel IP65	Front Bezel IP65	Front Bezel IP65	Front Bezel IP65
Dimension (WxHxD)(mm)	308 x 223 x 63.2	308 x 223 x 63.2	417.8 x 318.8 x 66.25	417.8 x 318.8 x 66.25	417.80 x 318.8 x 66.25
Weight (kg)	3.5	3.5	5.5	5.5	5.5



# Kiosk Panel PC

					
KPPC-1814A	KPPC-1821A	KPPC-1822A	KPPC-2114A	KPPC-2121A	KPPC-2122A
18.5" 16:9	18.5" 16:9	18.5" 16:9	21.5" 16:9	21.5" 16:9	21.5" 16:9
1366 x768	1366 x768	1366 x768	FHD,1920 x 1080	FHD,1920 x 1080	FHD,1920 x 1080
250	250	250	250	250	250
1000	1000	1000	3000	3000	3000
80(U), 80(D), 85(L), 85(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)
LED	LED	LED	LED	LED	LED
16.7M	16.7M	16.7M	16.7M	16.7M	16.7M
18.5" Zero Bezel Projected Capacitive Touch Panel	18.5" Zero Bezel Projected Capacitive Touch Panel	18.5" Zero Bezel Projected Capacitive Touch Panel	21.5" Zero Bezel Projected Capacitive Touch Panel	21.5" Zero Bezel Projected Capacitive Touch Panel	21.5" Zero Bezel Projected Capacitive Touch Panel
Intel® Skylake-U Celeron processors Celeron 3955U	Intel® Celeron N3060 Dual Processor, Up to 2.48G, 6W, 2M L2 Cache	Intel® Celeron N3350 Dual Processor, Up to 2.40G, 6W, 2M L2 Cache	Intel® Skylake-U Celeron processors Celeron 3955U	Intel® Celeron N3060 Dual Processor, Up to 2.48G, 6W, 2M L2 Cache	Intel® Celeron N3350 Dual Processor, Up to 2.40G, 6W, 2M L2 Cache
2 x DDR4 2133 MHz SO-DIMM, Up to 32GB Non-ECC, Un-buffered (optional)	1 x DDR3L 1333 MHz SO-DIMM, Up to 8GB (optional)	2 x DDR3L 1333/1600/1867 MHz SO-DIMM, Up to 16 GB (optional)	2 x DDR4 2133 MHz SO-DIMM, Up to 32GB Non-ECC, Un-buffered (optional)	1 x DDR3L 1333 MHz SO-DIMM, Up to 8GB (optional)	2 x DDR3L 1333/1600/1867 MHz SO-DIMM, Up to 16 GB (optional)
1 x 2.5" SATA SSD drive bay (optional)	1 x 2.5" SATA SSD drive bay (optional)	1 x 2.5" SATA SSD drive bay (optional)	1 x 2.5" SATA SSD drive bay (optional)	1 x 2.5" SATA SSD drive bay (optional)	1 x 2.5" SATA SSD drive bay (optional)
DP/HDMI	VGA/DVI-D	VGA/HDMI	DP/HDMI	VGA/DVI-D	VGA/HDMI
2	2	2	2	2	2
1/X	1/1	1/1	1/X	1/1	1/1
1/4	1/4	3/2	1/4	1/4	3/2
3xRS232 1xRS232, 422, 485 selectable	4xRS232 1xRS232, 422, 485 selectable	5 x RS232 1 x RS232, 422, 485 selectable	3xRS232 1xRS232, 422, 485 selectable	4xRS232 1xRS232, 422, 485 selectable	5 x RS232 1 x RS232, 422, 485 selectable
DC-12V IN	DC-12V IN	DC-9-24V IN	DC-12V IN	DC-12V IN	DC12-24V IN
1	1	1	1	1	1
x	x	x	x	x	x
1 x M.2 M-key (2280) 1x miniPCIe	1 x M.2 M-key (2280) 1x mini-PCIe (F/S)	1xM.2 Mkey (2242) for SATA 1xM.2 EKey (2230) for PCIe	1 x M.2 M-key (2280) 1x miniPCIe	1 x M.2 M-key (2280) 1x mini-PCIe (F/S)	1xM.2 Mkey (2242) for SATA 1xM.2 EKey (2230) for PCIe
External AC DC 12V/ 5A 60W power adapter (optional)	External AC DC 12V/ 5A 60W power adapter (optional)	External AC DC 12V/ 5A 60W power adapter (optional)	External AC DC 12V/ 5A 60W power adapter (optional)	External AC DC 12V/ 5A 60W power adapter (optional)	External AC DC 12V/ 5A 60W power adapter (optional)
0°C to 50°C	0°C to 50°C	0°C to 50°C	0°C to 50°C	0°C to 50°C	0°C to 50°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	-20°C to 60°C
10%~90%, Non-condensing	10%~90%, Non-condensing	10%~90%, Non-condensing	10%~90%, Non-condensing	10%~90%, Non-condensing	10%~90%, Non-condensing
Front Bezel IP65	Front Bezel IP65	Front Bezel IP65	Front Bezel IP65	Front Bezel IP65	Front Bezel IP65
490.8 x 320.6 x 65.15	490.8 x 320.6 x 65.15	490.8 x 320.6 x 65.15	562.4 x 382.4 x 65.35	562.4 x 382.4 x 65.35	562.4 x 382.4 x 65.35
8.2	8.2	8.2	9.25	9.25	9.25

# Intelligent Kiosk Solution







Model						
	IKS355A	IKS357X	IKS614A	IKS614B	IKS621A	IKS622A
Form Factor	Fanless with 3.5"	Fanless with 3.5"	Fanless with miniITX	Fanless with miniITX	Fanless with miniITX	Fanless with miniITX
Processor	Intel® Celeron® Processor N2000 Series	Intel® Atom™ Processor E3900 Series	Intel® Gen. 6 Skylake-U Core™ i7/i5/i3/ Celeron processors	Intel® Gen. 6 Core™ i7/i5/i3, LGA1151 Socket Processor, Max. 35W TDP	Intel® Celeron® Processor N Series	Intel® Celeron® Processor N Series
CPU/Speed Cores/ TDP	N2930/4C4T/1.83G/7.5W	E3950/4C4T/1.6G/12W E3930/2C2T/1.3G/6.5W	Celeron® 3955U 2C2T/2G/15W	Support i7-6700TE/ i5-6500TE/i3-6100TE; Pentium G4400TE; Celeron G3900TE	N3060/2C2T/1.6G/6W	N3350/2C2T/1.1G/6W
Chipset	Intel® Bay Trail-M	Intel® Apollo Lake	Intel® Skylake-U	Intel® H110 PCH	Intel® Braswell	Intel® Apollo Lake
Max. Memory	1 x DDR3L SO-DIMM 8GB Max	2 x DDR3L SO-DIMM 8GB Max	2 x DDR4 SO-DIMM 32GB Max	2 x DDR4 SO-DIMM 32GB Max	1 x DDR3L SO-DIMM 8GB Max	2 x DDR3L SO-DIMM 8GB Max
DVI/DP//HDMI	0/0/0	0/0/1	0/1/1	0/0/2	1/0/0	0/0/1
VGA	1	1	0	0	1	1
LVDS/eDP	Dual, 18/24 LVDS (internal)	Single, 18/24 LVDS (internal)	Dual, 18/24 LVDS (internal)	Dual, 18/24-bit LVDS (internal)	Dual, 18/24-bit LVDS (internal)	Dual, 18/24-bit LVDS (internal)
Graphics Engine	Bay trail series Integrated graphic engine, Gen. 7	Apollo Lake series Integrated graphic engine	Intel® Skylake Integrated graphics	Intel® Skylake Integrated graphics	Braswell series Integrated graphic engine, Gen. 8	Apollo Lake series Integrated graphic engine
Storage	Support one 2.5" SATA SSD (limit to 7mm height)	Support one 2.5" SATA SSD (limit to 7mm height)	Support one 2.5" SATA SSD	Support one 2.5" SATA SSD	Support one 2.5" SATA SSD	Support one 2.5" SATA SSD
SATA2.0 / 3.0	1 x SATA 2.0	1 x SATA3.0	1 x SATA3.0	2 x SATA3.0	1 x SATA3.0	1 x SATA3.0
LAN Port	2 x Realtek RTL8111G	2 x Intel® I210-IT	2 x Realtek RTL8111G	2 x Realtek RTL8111G	2 x Realtek RTL8111G	2 x Realtek RTL8111G
USB2.0 / 3.0	1 x USB3.0 3 x USB2.0	2 x USB3.0 2 x USB2.0	4 x USB3.0 1 x USB2.0	4 x USB3.0 1 x USB2.0	4 x USB3.0 1 x USB2.0	2 x USB3.0 3 x USB2.0
Serial Port (total)	2	2	4	2	5	6
RS422/ 485 Support	1	1	1	1	1	1
Audio	1 x Line-out	-	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
Expansion	1 x MiniPCIe (H/S) 1 x mSATA (F/S)	1 x M. 2 2242 (key B)	1 x mini-PCIe 1 x M. 2 2280 (key M)	1 x mSATA 1 x mini-PCIe (H/S)	1 x mini-PCIe (F/S) 1 x M. 2 2280 (key M)	1 x M.2 2242 (key M) 1 x M.2 2230 (key E)
Operating Temperature	0°C to 50°C	-20°C to 70°C	0°C to 50°C	0°C to 40°C	0°C to 50°C	0°C to 50°C
Power Input Range	DC 9 ~ 24V	DC 12V	DC 12V	DC 12V	DC 12V	DC12-24V IN
Power Supply Adapter	Optional	Optional	Optional	Optional	Optional	Optional
System Dimension (WxDxH)(mm)	230 x 139 x 39	230 x 139 x 39	260 x 189 x 39.5	260 x 189 x 39.5	260 x 189 x 39.5	260 x 189 x 39.5
OS Support	Win 7 32/64-bit Win10 32/64-bit	Win10 64-bit	Win 7 32/64-bit Win 10 64-bit	Win 7 32/64-bit Win 10 64-bit	Win 7 32/64-bit Win 10 64-bit	Win10 64-bit

# Passenger Information System



Model		
	TPPC 2210/TPPC 2210T	TPPC 2210T
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® Celeron™ 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)	2	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 (TPPC 2210T)	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°C to 40°C	-10°C to 40°C
Storage Temp.	-20°C to 60°C	-20°C to 60°C
Operating Humidity	10% ~ 90%, Non-condensing	10% ~ 90%, Non-condensing
IP Level	IP54	IP54
Dimension (WxHxD)(mm)	530.46 x 323 x 58	530.46 x 323 x 58
Weight (kg)	7	7



# Open Frame Panel PC

Model						
	OPPC 1240T	OPPC 1540T	OPPC 1540T-J1900	OPPC 1740T	OPPC 1940T	OPPC 1940T-J1900
LCD Size	12.1" 4:3	15" 4:3	15" 4:3	17" 4:3	19" 4:3	19" 4:3
Max. Resolution	XGA, 1024 x 768	XGA, 1024 x 768	XGA, 1024 x 768	SXGA, 1280 x 1024	SXGA, 1280 x 1024	SXGA, 1280 x 1024
Luminance (cd/m2)	350	420	420	350	350	350
Contrast Ratio	800	800	800	1000	1000	1000
Viewing Angle (H-V)	80(U), 80(D), 80(L), 80(R)	80(U), 80(D), 80(L), 80(R)	80(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)
Backlight	LED	LED	LED	LED	LED	LED
LCD Color	16.7M	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
Touch Light Transmission	80%	80%	80%	80%	80%	80%
CPU	Intel® Atom™ E3826 Dual Core 1.46GHz	Intel® Atom™ E3826 Dual Core 1.46GHz	Intel® Celeron™ J1900 Quad Core 2.0GHz	Intel® Atom™ E3826 Dual Core 1.46GHz	Intel® Atom™ E3826 Dual Core 1.46GHz	Intel® Celeron™ J1900 Quad Core 2.0GHz
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
CF or CFast Socket	1 CFast	1 CFast	1 CFast	1 CFast	1 CFast	1 CFast
2nd Display Output	VGA	VGA	VGA	VGA	VGA	VGA
PS2 KB/MS	1	1	1	1	1	1
Ethernet (10/100/1000)	2	2	2	2	2	2
Line-out	Line-out	Line-out	Line-out	Line-out	Line-out	Line-out
USB2.0 / USB3.0	2/1	2/1	2/1	2/1	2/1	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
Power Switch	1	1	1	1	1	1
Reset Button	1	1	1	1	1	1
Power Jack	3 Pin Phoneix Connector	3 Pin Phoneix Connector	3 Pin Phoneix Connector	3 Pin Phoneix Connector	3 Pin Phoneix Connector	3 Pin Phoneix Connector
2.5" Hard Driver Bay	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
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
Power Input	+12 ~ 30VDC	+12 ~ 30VDC	+12 ~ 30VDC	+12 ~ 30VDC	+12 ~ 30VDC	+12 ~ 30VDC
Power Supply Adapter	Optional	Optional	Optional	Optional	Optional	Optional
Operating Temp.	-5°C to 50°C	-5°C to 50°C	-5°C to 50°C	-5°C to 50°C	-5°C to 50°C	-5°C to 50°C
Storage Temp.	-20°C to 75°C	-20°C to 75°C	-20°C to 75°C	-20°C to 75°C	-20°C to 75°C	-20°C to 75°C
Operating Humidity	10% ~ 90%, Non-condensing	10% ~ 90%, Non-condensing	10% ~ 90%, Non-condensing	10% ~ 90%, Non-condensing	10% ~ 90%, Non-condensing	10% ~ 90%, Non-condensing
Dimension (WxHxD)(mm)	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	422.6 x 350.6 x 75.8	422.6 x 350.6 x 75.8
Weight (kg)	3.8	4	4	5.6	6.15	6.15

# Open Frame High Brightness Panel PC

Model		
	OPPC 1540HT-J1900	OPPC 1940HT-J1900
LCD Size	15" 4:3	19" 4:3
Max. Resolution	XGA, 1024 x 768	SXGA, 1280 x 1024
Luminance (cd/m2)	1000	1000
Contrast Ratio	2500	1000
Viewing Angle (H-V)	88(U), 88(D), 88(L), 88(R)	80(U), 80(D), 85(L), 85(R)
Backlight	LED	LED
LCD Color	16.2M	16.7M
Touch Screen	Resistive 5-wire	Resistive 5-wire
Touch Light Transmission	80%	80%
CPU	Intel® Celeron™ J1900 Quad Core 2.0GHz	Intel® Celeron™ J1900 Quad Core 2.0GHz
Memory	4GB DDR3L SO-DIMM module	4GB DDR3L SO-DIMM module
CF or CFast Socket	1 CFast	1 CFast
2nd Display Output	VGA	VGA
PS2 KB/MS	1	1
Ethernet (10/100/1000)	2	2
Line-out	Line-out	Line-out
USB2.0/ USB3.0	2/1	2/1
COM port	2 x RS232/422/485	2 x RS232/422/485
Power Switch	1	1
Reset Button	1	1
Power Jack	3 Pin Phoneix Connector	3 Pin Phoneix Connector
2.5" Hard Driver Bay	Yes	Yes
Expansion	2 x mini-PCIe	2 x mini-PCIe
Mounting	Panel/Wall/Stand/ VESA 75x75, 100x100mm	Panel/Wall/Stand/ VESA 75x75, 100x100mm
Power Input	+12 ~ 30VDC	+12 ~ 30VDC
Power Supply Adapter	Optional	Optional
Operating Temp.	-5°C to 50°C	-5°C to 50°C
Storage Temp.	-20°C to 75°C	-20°C to 75°C
Operating Humidity	10% ~ 90%, Non-condensing	10% ~ 90%, Non-condensing
Dimension (WxHxD)(mm)	329 x 280 x 69.3	422.6 x 350.6 x 75.8
Weight (kg)	4	6.15

# 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), Intelligent Platform & Services (IPS), 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.



<b>IAS</b>	IoT Automation Solutions: Industry 4.0 Solution, industrial robot & motion, industrial network, DMS 4.0
<b>IDS</b>	Intelligent Digital Security: IP Cam, NVR, mobile server platform
<b>MHI</b>	Medical & Healthcare Informatics: total solutions with a variety of medical IT systems
<b>IPS</b>	Intelligent Platform & Services: smart retails, digital signage, interactive kiosk, customization services
<b>MCS</b>	Mobile Computing Solutions: rugged computer devices, rugged mobile computer Vehicle Telematics Computer: Car PC, heavy duty vehicle, train PC
<b>NCS</b>	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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