



Intelligent Platform & Services Product Selection Guide



Creating Smarter Business

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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/manufacture. 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.



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.

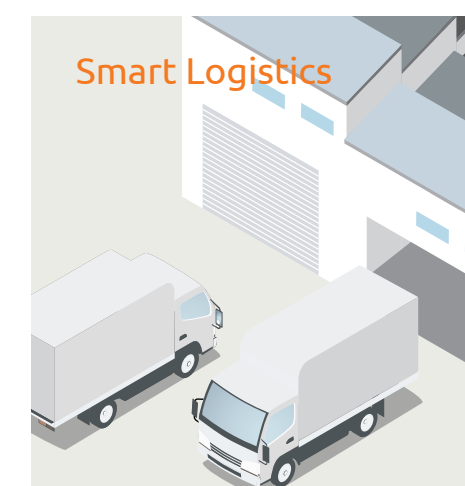
The IoT Studio delivers powerful insights for store executives,

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.



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
Fanless Embedded Computer

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



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 stories 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.



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

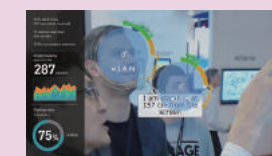
NEXCOM

NDiS B325-SI3-QV
Analysis Engine



Quividi

VidiReports Pro
Automated Audience & Attention Analytics



Microsoft
Azure

Microsoft Azure
Online Data Management



PowerDigiS

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.

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

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

Microsoft Azure



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 B325-SI5

- Intel® Celeron® Core™ i5-6200U
- HDMI (4K resolution)
- USB 3.0 support
- WLAN support
- Compact and fanless design
- Wide temperature support
- Good choice for AI and deep learning applications



NDiS B325-SI5 ▶
Fanless Embedded Computer

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 instore 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.



NDiS B866



Champ Vision
3x2 Seamless Video Wall



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.



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 B366R ▶
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.

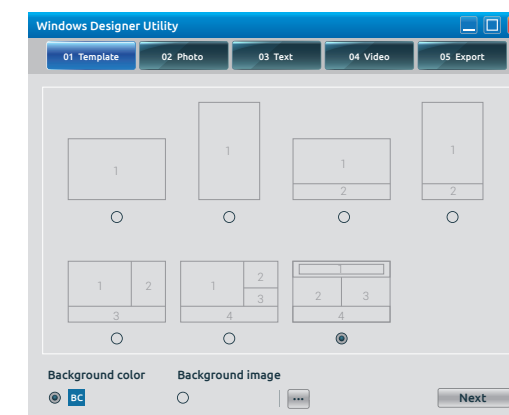
Key Features

- 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

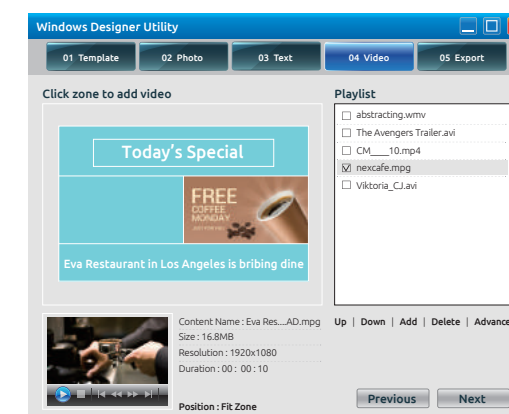
Applications

-  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

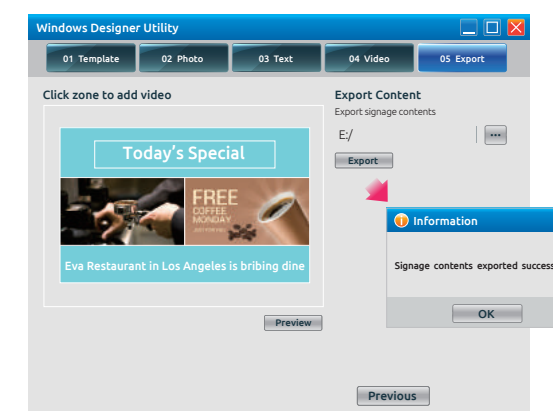
Three Steps to Play



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 15.6" 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 Series

Powered by Intel® Braswell Celeron® N3060 Processor

KPPC XX21A series is design from wide panel and IKS 621A which adopts Intel® Braswell Celeron® N3060 Processor. KPPC series design with mini-ITX mother board and ease of use and maintenance.



Model Name	LCD Size	Resolution
KPPC 2121A	21.5", 16:9	1920 x 1080
KPPC 1821A	18.5", 16:9	1366 x 768
KPPC 1521A	15.6", 16:9	1366 x 768

Powered by Intel® SKL-S Core™ i3/i5/i7 Processor

KPPC XX14B series is design from wide panel and IKS 614B which adopts Intel® SKL-S Core™ i3/i5/i7 Processor. KPPC series design with mini-ITX mother board and ease of use and maintenance.



Model Name	LCD Size	Resolution
KPPC 2114B	21.5", 16:9	1920 x 1080
KPPC 1814B	18.5", 16:9	1366 x 768
KPPC 1514B	15.6", 16:9	1366 x 768

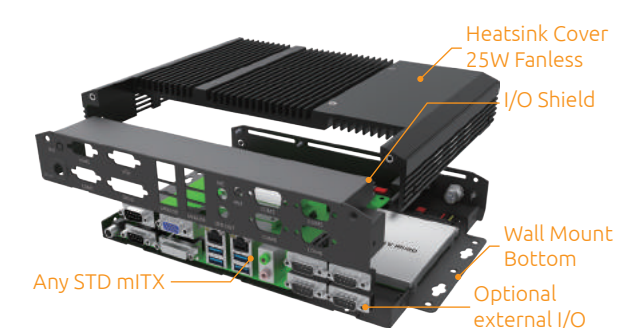
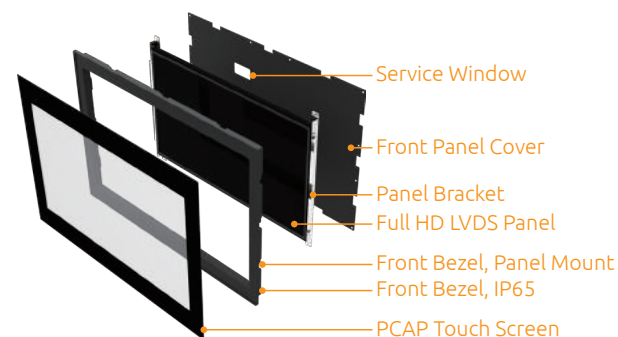
The Kiosk Panel PC (KPPC) is a standardized all-in-one system with two interdependent parts: the display and the system (IKS) which can be operated together or separately. The advanced electronic design integrates the display, touch, and computing signal in an embedded board, which provides the most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



Intelligent Engine - IKS6 Series

NEXCOM intelligent kiosk IKS series embodies supreme flexibility in a modular design that expands the realms of self-service markets. Featuring the 6th generation of Intel® Core™ and Celeron® processors, the IKS series represents a total solution for self-service applications conveying high performance, multiple displays, and extended connectivity to seamlessly handle registration, payment, documentation, alerts, networking, and analytics, elevating users' satisfaction and ensuring an enjoyable experience.

The intelligent kiosks spark the self-service experience to facilitate processes regardless the application. For instance, to bring self-parking to life, the IKS series is connected to motion sensors to detect vehicles approaching the entrance in order to control the lights, greet customers, deliver differentiated tokens, grant

access, remind of promotions, and keep a video record for safety measures. Attached to a touchscreen display in smart stores, the IKS series helps users through registration and checkout by reading barcodes, QR codes, and RFID tags, accepting cash or card payments, printing receipts and providing vouchers. In venues with large crowds, self-service information stands enhance users' satisfaction giving directions, retrieving reservations, and displaying smart advertisement based on demographic analysis to boost business opportunities.

The first three family members of the intelligent kiosks IKS series bring smartness to tackle clients' needs. Considering implementation challenges of self-service businesses, the IKS 614B Engine PRO for computing-intensive applications and the IKS 614A Engine FIT is characterized by rich connectivity, while the IKS 621A Engine LITE represents a fair balance between performance and connectivity.

Main Features

IKS 621A ▶

Fanless Box PC Intel® Braswell

- Intel® Celeron® N3060
- Rich I/Os
- USB x 5, GLAN x 2, COM x 5, etc
- Support Dual SSD (option)
- Fanless system design
- Operating temp 0°C ~ 50°C
- Budget friendly



IKS 614A ◀

Fanless Box PC Intel® Skylake-U

- Intel® Celeron® 3955U
- Dual displays
- Support Dual SSD (option)
- Fanless system design
- Operating temp 0°C ~ 50°C
- Upgrade Skylake U-series 15W by project

IKS 614B ▶

Fanless Box PC Intel® Skylake-S and Kaby Lake-S

- 6th Intel® Core™ i Processors
- Dual displays
- Support Dual SSD (option)
- Fanless system design
- Operating temp 0°C ~ 50°C
- Support high perform S-Series 35W CPUs








NDiS Product Selection Guide

FanFanless4K Resolution






Number of Display Outputs	Output Platform Processor	HDMI	DP	VGA	DVI	Multimedia Support	Recommended Model
1	ARM®	1				4KFull HD 1080	NDiS B115
2	Intel® Celeron®	1		1		Full HD 1080	NDiS B325NDiS B327
		2				Full HD 1080	NDiS M324
		2				4KFull HD 1080	NDiS B426
	Intel® Core™ i	1	1			4KFull HD 1080	NDiS B425-Si3
		2				4KFull HD 1080	NDiS B325-Si3NDiS B325-Si5NDiS B537NDiS B328-Ki3
3	Intel® Celeron®	3				4KFull HD 1080	NDiS M335
	Intel Atom®	2	1			4KFull HD 1080	NDiS B336R
	Intel® Core™ i	2				4KFull HD 1080	NDiS M533
		2	1			4KFull HD 1080	NDiS M535NDiS B537-i
		3				Full HD 1080	NDiS B532
		1	2			4KFull HD 1080	NDiS M537
6	Intel® Core™ i	6				4KFull HD 1080	NDiS B866

Digital Signage Player Appliance

Model	  	Model	
	PDSB 325PDSB 166PDSB 535		1100
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
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
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 3.0	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

Model	
	1100
Storage	320GB HDD
LAN	4 x 10/100/1000Mbps
WLAN	Optional
RS232	N/A
USB 2.0	2
Power Type	12V DC
Dimension (mm)	272 x 195 x 44
Max. Number of Zones	100
Player Device Management	Add/remove/edit player orplayer group start/stop/pause presentation player/ player group power off/reset
Presentation Distribution	Player or player group
Presentation Schedule	Player or player group
Content Management	Player or player group
Emergency Message	Player or player group




Value Digital Signage Player

Model					
	NDiS B115	NDiS B325	NDiS B327	NDiS B328-KI3	NDiS B336R
CPU	Rockchip RK3288	Intel® Celeron® N3150/ Core i3-6100U/ Core™ i5-6200U	Intel® Celeron® N3060	Intel® Core™ i3-7100U	Intel Atom® E3950
Chipset	Embedded	N/A	N/A	N/A	N/A
Graphic	MaliT760 (embedded)	Intel® HD graphics/ HD520 graphics/ HD520 graphics	Intel® HD400 graphics	Intel® HD620 graphics	Intel® gen. 9 graphics
RAM	DDR3 2GB on board	DDR3L SO-DIMM, up to 8GB/ DDR4 SO-DIMM, up to 8GB/ DDR4 SO-DIMM, up to 8GB	DDR3L SO-DIMM, up to 8GB	DDR4 SO-DIMM, up to 32GB	2 x DDR3L SO-DIMM, up to 16GB
LAN	1 x 10/100/1000Mbps	1 x 10/100/1000Mbps	1 x 10/100/1000Mbps	1 x 10/100/1000Mbps	1 x 10/100/1000Mbps
WLAN	on board 802.11 b/g/n	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
Flash Storage	eMMC2 16GB on board	N/A	NGFF (M2) 22 x 42 (SATA)	NGFF (M2) 22 x 80 (SATA)	N/A
Video Output	1 x HDMI (2.0)	1 x VGA, 1 x HDMI/ 2 x HDMI/ 2 x HDMI	1 x VGA, 1 x HDMI	2 x HDMI	1 x DP, 2 x HDMI
Display Resolution	3840 x 2160	VGA: 1920 x 1080 HDMI: 3840 x 2160	VGA: 1920 x 1200 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	3 Independent or clone
Video Capability	Hardware decode: MPEG1, MPEG2, VC1 H.264, H.265, VP9	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, VP8 VC1, H.264, H.265
Audio Output	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	N/A	N/A	Optional
RS-232	1 (UART)	1	1	1	1
USB 2.0	2	2	2	0	0
USB 3.0	N/A	4	2	4	5
Expansion Slot	N/A	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 mini-PCIe 1 x NGFF (M2) 2230
Operating Temperature	-10°C to 50°C	-20°C to 50°C	0°C to 40°C	-20°C to 50°C	-20°C to 60°C
Power Type	5V DC	19V DC	19V DC	19V DC	19V DC
Dimension (mm)	118 x 101 x 23.6	224.34 x 147.4 x 29	190 x 149 x 25	224.34 x 147.4 x 29	259 x 147.4 x 21
OS Support	Android 4.4	Win7/ WES7/ Win8/ WE8S/ Win10/ Linux	Win7/ Win10	Win10	Win10/ Linux


High-Performance Digital Signage Player

			
NDiS B532	NDiS B533	NDiS B535	NDiS B537/NDiS B537-I
2nd/ 3rd gen. Intel® Core™ rPGA socket type	4th gen. Intel® Core™ LGA socket type processor	6th gen. Intel® Core™ LGA socket type processor (up to 35W)	7/6th gen. Intel® Core™ LGA socket type processor (up to 35W)
Intel® QM77	Intel® Q87	Intel® Q170 PCH	Intel® H110 PCH (B537)/ Intel® Q170 PCH (B537-I)
Intel® HD graphics 4000	Intel® integrated HD4600 graphic engine	Intel® integrated HD 530 graphic engine	Intel® integrated HD 600 series
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
2 x 10/100/1000Mbps	2 x 10/100/1000Mbps	2 x 10/100/1000Mbps	2 x, 10/100/1000Mbps (B537)/ 2 x, 10/100/1000Mbps (B537-I)
Optional	Optional	Optional	Optional
1 x 2.5" SATA	1 x 2.5" SATA	1 x 2.5" SATA	1 x 2.5" SATA
SATA DOM	SATA DOM	NGFF (M2) 22 x 42/22 x 80	N/A
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	3840 x 2160	3840 x 2160	up to 3840 x 2160
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: 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 Line-out, 1 x Mic-in	1 x Line-out, 1 x Mic-in
Optional	Optional	Optional	Optional
2	2	4	2
N/A	N/A	N/A	N/A
4	4	6	4
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	-10°C to 45°C
12V DC	12V DC	12V DC	12V DC
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/ Win10/ Linux	Win7/ Win8/ WES7/ WE8S/ Win10/ Linux	Win10/ Linux





OPS Module Player




Model			
	NDIS M324	NDIS M335	NDIS M533
CPU	Intel® Celeron® processor J1900	Intel® Celeron® N3150	4th gen. Intel® Core™ processor i3-4100/i5-4400E /i7-4700EQ
Chipset	N/A	N/A	Intel® QM87
Graphic	Intel® gen. 7 graphics	Intel® HD graphics	Intel® integrated HD4600 graphic engine
RAM	2 x DDR3L SO-DIMM, up to 8GB	2 x DDR3L SO-DIMM, up to 8GB	2 x DDR3L SO-DIMM, up to 16GB
LAN	1 x 10/100/1000Mbps	1 x 10/100/1000Mbps	1 x 10/100/1000Mbps
WLAN	Optional	Optional	Optional
Hard Disk	1 x 2.5" SATA	1 x 2.5" SATA	1 x 2.5" SATA
Flash Storage	N/A	NGFF (M2) 22 x 42 (SATA)	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 DP (via JAE connector)
Display Resolution	1920 x 1080	HDMI1: 1920 x 1080 HDMI2: 3840 x 2160 TMDS (via JAE): 3840 x 2160	3840 x 2160
Output Channel	2 Independent or clone	3 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: 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 Mic-in, 1 x Line-out, 1 x Line-out (via JAE connector)
TV Tuner	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)
USB 2.0	3 (1 x External, 2 x via JAE connector)	4 (2 x External, 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)	5 (4 x External, 1 x via JAE connector)
Expansion Slot	1 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
Power Type	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
OS Support	Win7/ WES7/ Win8/ WE8S/ Linux	Win7/ WES7/ Win8/ WE8S/ Win10/ Linux	Win7/ Win8/ XP/ WES7/ WE8S/ WES2009/ Linux

Multi-Display Player




Model	
	NDIS B866
CPU	6th gen. Intel® Core™ LGA socket type processor (up to 65W)
Chipset	Intel® Q170 PCH
Graphic	AMD Radeon™ E8870
RAM	4 x DDR4 SO-DIMM, up to 64GB
LAN	2 x 10/100/1000Mbps
Hard Disk	2 x 2.5" SATA
Flash Storage	N/A
Video Output	6 x HDMI 2.0
Display Resolution	3840 x 2160
Output Channel	6 Independent, expanded or clone
Video Capability	Hardware decode: MPEG1, MPEG2, VC1, H.264
Audio Output	1 x S/PDIF, 1 x MIC-in, 1 x Line-out
TV Tuner	Optional
RS-232	2
USB 2.0	N/A
USB 3.0	6
Expansion Slot	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
Power Type	300W ATX power supply
Dimension (mm)	428 x 344 x 44
OS Support	Win7/ Win8.1/ Win10/ Linux

Kiosk Panel PC


Model				
	KPPC 1521A	KPPC 1514A	KPPC 1514B	KPPC 1821A
LCD Size	15.6" 16:9	15.6" 16:9	15.6" 16:9	18.5" 16:9
Max. Resolution	1366 x 768	1366 x 768	1366 x 768	1366 x 768
Luminance (cd/m2)	400	400	400	250
Contrast Ratio	500	500	500	1000
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)
Backlight	LED	LED	LED	LED
LCD Color	16.7M	16.7M	16.7M	16.7M
Touch Screen	15.6" Zero bezel projected capacitive touch panel	15.6" Zero bezel projected capacitive touch panel	15.6" Zero bezel projected capacitive touch panel	18.5" Zero bezel projected capacitive touch panel
CPU	Intel® Celeron® N3060 dual processor, Up to 2.48G, 6W, 2M L2 cache	Intel® Skylake-U Celeron® processors 3955U	Intel® Core™ i7-6700TE/i5-6500TE/i3-6100TE, Pentium® G4400TE, Celeron® G3900TE, support LGA1151 CPU, TDP 35W	Intel® Celeron® N3060 dual processor, up to 2.48G, 6W, 2M L2 cache
Memory	1 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)	2 x DDR4 2133MHz SO-DIMM, up to 32GB non-ECC, un-buffered (optional)	1 x DDR3L 1333 MHz SO-DIMM, up to 8GB (optional)
Storage Device	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)
2nd Display Output	VGA/DVI-D	DP/HDMI	2x HDMI (either one)	VGA/DVI-D
Ethernet (10/100/1000)	2	2	2	2
Line-out / MIC	1/1	1/X	1/1	1/1
USB 2.0 /USB 3.0	1/4	1/4	1/4	1/4
COM Port	4 x RS232 1xRS232, 422, 485 selectable	3 x RS232 1xRS232, 422, 485 selectable	1 x RS232 1xRS232,422,485 selectable	4 x RS232 1 x RS232, 422, 485 selectable
DC-IN Jack	DC-12V IN	DC-12V IN	DC-12V IN	DC-12V IN
Power Switch	1	1	1	1
Expansion	1 x M.2 M-key (2280) 1 x mini-PCle (F/S)	1 x M.2 M-key (2280) 1 x mini-PCle	1 x mini-PCle (F/S)(mSATA) 1 x mini-PCle (H/S)(PCle/USB)	1 x M.2 M-key (2280) 1 x mini-PCle (F/S)
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/7A 84W power adapter	External AC DC 12V/5A 60W power adapter (optional)
Operating Temp.	0°C to 50°C	0°C to 50°C	0°C to 50°C	0°C to 50°C
Storage Temp.	-20°C to 60°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
IP Level	Front bezel IP65	Front bezel IP65	Front bezel IP65	Front bezel IP65
Dimension (WxHxD)(mm)	417.8 x 318.8 x 66.25	417.8 x 318.8 x 66.25	417.80 x 318.80 x 66.25	490.8 x 320.6 x 65.15
Weight (kg)	5.5	5.5	7.4	8.2

				
KPPC 1814A	KPPC 1814B	KPPC 2121A	KPPC 2114A	KPPC 2114B
18.5" 16:9	18.5" 16:9	21.5" 16:9	21.5" 16:9	21.5" 16:9
1366 x 768	1366 x 768	FHD, 1920 x 1080	FHD, 1920 x 1080	FHD, 1920 x 1080
250	250	250	250	250
1000	1000	3000	3000	3000
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
16.7M	16.7M	16.7M	16.7M	16.7M
18.5" Zero bezel projected capacitive touch panel	18.5"" 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 3955U	Intel® Core™ i7-6700TE/i5-6500TE/i3-6100TE, Pentium® G4400TE, Celeron® G3900TE, support LGA1151 CPU, TDP 35W	Intel® Celeron® N3060 dual processor, up to 2.48G, 6W, 2M L2 cache	Intel® Skylake-U Celeron® processors 3955U	Intel® Core™ i7-6700TE/i5-6500TE/i3-6100TE, Pentium® G4400TE, Celeron® G3900TE, support LGA1151 CPU, TDP 35W
2 x DDR4 2133 MHz SO-DIMM, up to 32GB non-ECC, un-buffered (optional)	2 x DDR4 2133MHz SO-DIMM, up to 32GB non-ECC, un-buffered (optional)	1 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)	2 x DDR4 2133MHz SO-DIMM, up to 32GB, non-ECC, Un-buffered (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	2 x HDMI (Either one)	VGA/DVI-D	DP/HDMI	2 x HDMI (Either one)
2	2	2	2	2
1/X	1/1	1/1	1/X	1/1
1/4	1/4	1/4	1/4	1/4
3 x RS232 1 x RS232, 422, 485 selectable	1 x RS232 1 x RS232, 422, 485 selectable	4 x RS232 1 x RS232, 422, 485 selectable	3 x RS232 1 x RS232, 422, 485 selectable	1 x RS232 1 x RS232, 422, 485 selectable
DC-12V IN	DC-12V IN	DC-12V IN	DC-12V IN	DC-12V IN
1	1	1	1	1
1 x M.2 M-key (2280) 1x mini-PCle	1 x mini-PCle (F/S)(mSATA) 1 x mini-PCle (H/S)(PCle/USB)	1 x M.2 M-key (2280) 1 x mini-PCle (F/S)	1 x M.2 M-key (2280) 1 x mini-PCle	1 x mini-PCle (F/S)(mSATA) 1 x mini-PCle (H/S)(PCle/USB)
External AC DC 12V/ 5A 60W power adapter (optional)	External AC DC 12V/7A 84W power adapter	External AC DC 12V/ 5A 60W power adapter (optional)	External AC DC 12V/ 5A 60W power adapter (optional)	External AC DC 12V/7A 84W power adapter
0°C to 50°C	0°C to 45°C	0°C to 50°C	0°C to 50°C	0°C to 45°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
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	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	9.4	9.25	9.25	10.4



Intelligent Kiosk Solution

Model			
	IKS 621A	IKS 614A	IKS 614B
Form Factor	Fanless with miniITX	Fanless with miniITX	Fanless with miniITX
Processor	Intel® Celeron® processor N 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
CPU/Speed Cores/TDP	N3060/2C2T/1.6G/6W	Celeron® 3955U 2C2T/2G/15W	Support i7-6700TE/i5-6500TE/i3-6100TE; Pentium® G4400TE; Celeron® G3900TE
Chipset	Intel® Braswell	Intel® Skylake-U	Intel® H110 PCH
Max. Memory	1 x DDR3L SO-DIMM 8GB max	2 x DDR4 SO-DIMM 32GB max	2 x DDR4 SO-DIMM 32GB max
DVI/DP/HDMI	1/0/0	0/1/1	0/0/2
VGA	1	0	0
LVDS/eDP	Dual, 18/24-bit LVDS (internal)	Dual, 18/24-bit LVDS (internal)	Dual, 18/24-bit LVDS (internal)
Graphics Engine	Braswell series Integrated graphic engine, gen. 8	Intel® Skylake Integrated graphics	Intel® Skylake Integrated graphics
Storage	Support one 2.5" SATA SSD	Support one 2.5" SATA SSD	Support one 2.5" SATA SSD
SATA2.0 / 3.0	1 x SATA3.0	1 x SATA3.0	2 x SATA3.0
LAN Port	2 x Realtek RTL8111G	2 x Realtek RTL8111G	2 x Realtek RTL8111G
USB2.0 / 3.0	4 x USB3.0 1 x USB2.0	4 x USB3.0 1 x USB2.0	4 x USB3.0 1 x USB2.0
Serial Port (Total)	5	4	2
RS422/485 Support	1	1	1
Audio	1 x Line-out 1 x MIC-in	1 x Line-out	1 x Line-out 1 x MIC-in
Expansion	1 x mini-PCIe (F/S) 1 x M. 2 2280 (key M)	1 x mini-PCIe 1 x M. 2 2280 (key M)	1 x mSATA 1 x mini-PCIe (H/S)
Operating Temperature	0°C to 50°C	0°C to 50°C	0°C to 50°C
Power Input Range	DC 12V	DC 12V	DC 12V
Power Supply Adapter	Optional	Optional	Optional
Dimension (WxDxH)(mm)	260 x 189 x 39.5	260 x 189 x 39.5	260 x 189 x 39.5
OS Support	Win7 32/64-bit, Win10 64-bit	Win7 32/64-bit, Win10 64-bit	Win7 32/64-bit, Win10 64-bit



Automation Solution

Model	
	APPC 3154
Processor	Intel® Celeron® processors J series
CPU/Speed Cores/TDP	Intel® Celeron® J1900, Quad Cores, up to 2.42G, 2M L2 Cache
Max. Memory	2 x DDR3L SO-DIMM
DVI/DP/HDMI	0/0/0
VGA	1
LVDS/eDP	Dual,18/24-bit LVDS (internal)
Graphics Engine	Intel® HD Graphics
Storage	Support one 2.5" SATA SSD (option) or one SATA DOM
LAN Port	2 x GLAN
USB 2.0/3.0	1 x USB 3.0, 2 x USB 2.0
Serial Port (Total)	2
RS422/485 Support	2
Audio	1 x Line-out
Remote Control	2-Pin remote power on/off switch
Operating Temperature	0°C to 50°C
Power Input Range	DC 12V
Power Supply Adapter	Option
Dimension (WxHxD)(mm)	359.8 x 282.75 x 60
OS Support	Win7, Win8, Win10 64-bit





Passenger Information System

Model		
	TPPC 2210/2210T	TPPC 2210T
LCD Size	21.5" 16:9	21.5" 16:9
Max. Resolution	FD 1920 x 1080	FD 1920 x 1080
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
USB 2.0/USB 3.0	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 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 con- nector	3-Pin Phoneix con- nector
2.5" Hard Driver Bay	Yes	Yes
Expansion	2 x mini-PCIe	2 x mini-PCIe
Mounting	Panel/wall/stand/ VESA 75 x 75, 100 x 100mm	Panel/wall/stand/ VESA 75 x 75, 100 x 100mm
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




Open Frame Panel PC

Model				
	OPPC 1240T	OPPC 1540T	OPPC 1740T	OPPC 1940T
LCD Size	12.1" 4:3	15" 4:3	17" 4:3	19" 4:3
Max. Resolution	XGA, 1024 x 768	XGA, 1024 x 768	SXGA, 1280 x 1024	SXGA, 1280 x 1024
Luminance (cd/m2)	350	420	350	350
Contrast Ratio	800	800	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), 85(L), 85(R)	80(U), 80(D), 85(L), 85(R)
Backlight	LED	LED	LED	LED
LCD Color	16.7M	16.7M	16.7M	16.7M
Touch Screen	Resistive 5-wire	Resistive 5-wire	Resistive 5-wire	Resistive 5-wire
Touch Light Transmission	80%	80%	80%	80%
CPU	Intel Atom® E3826 dual core 1.46GHz	Intel Atom® E3826 dual core 1.46GHz	Intel Atom® E3826 dual core 1.46GHz	Intel Atom® E3826 dual core 1.46GHz
Memory	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
2nd Display Output	VGA	VGA	VGA	VGA
PS2 KB/MS	1	1	1	1
Ethernet (10/100/1000)	2	2	2	2
Line-out	Line-out	Line-out	Line-out	Line-out
USB2.0 / USB3.0	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
Power Switch	1	1	1	1
Reset Button	1	1	1	1
Power Jack	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
Expansion	2 x mini-PCle	2 x mini-PCle	2 x mini-PCle	2 x mini-PCle
Mounting	Panel/wall/stand/VESA 75 x 75, 100 x 100mm	Panel/wall/stand/VESA 75 x 75, 100 x 100mm	Panel/wall/stand/VESA 75 x 75, 100 x 100mm	Panel/wall/stand/VESA 75 x 75, 100 x 100mm
Power Input	+12 ~ 30VDC	+12 ~ 30VDC	+12 ~ 30VDC	+12 ~ 30VDC
Power Supply Adapter	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
Storage Temp.	-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
Dimension (WxHxD)(mm)	307 x 240 x 61.8	329 x 280 x 69.3	387 x 323.2 x 73.6	422.6 x 350.6 x 75.8
Weight (kg)	3.8	4	5.6	6.15

Fanless Computer

Model			
	NISE 51	NISE 107	NISE 3800E
CPU	Intel® Celeron®N3350, 2.40 GHz	Intel Atom® E3930, 1.80 GHz	6th gen. Intel® Core™ i7/i5/i3 LGA socket
Chipset	Intel® Apollo Lake	Intel Apollo Lake	Q170 PCH
Max. Memory	4GB DDR3L	4GB DDR3L	16GB DDR4
HDD Space	-	1 x 2.5" SATA 2.0 HDD bay	1 x 2.5" SATA HDD bay
CFast Socket	1 (Internal, M.2)	1 (External, M.2)	1 (External, M.2)
eMMC	16GB	-	-
VGA	-	-	1
DVI	-	1 (DVI-D)	1 (DVI-D)
HDMI	-	-	1
Display Port	1	1	1
USB	2 x USB 3.0 2 x USB 2.0	4 x USB 3.0	4 x USB 3.0 2 x USB 2.0
Serial Port	3	4	2
RS422/485	1	2	2
RS422/485 Isolation	-	-	2
mini-PCle	1	1	2
M.2	2	1 (External)	1 (External)
SIM Card Holder	1	1	1
GPIO	4-in/4-out (internal)	4-in/4-out (Internal)	4-in/4-out (internal)
LAN Ports	2 x GbE	2x GbE	3x GbE
Audio	Mic-in, Line-out	Mic-in, Line-out	Mic-in, Line-out
Power Input Range	ATX, DC +12V/ +24V	ATX, DC + 9V ~ 30VDC	ATX, DC +9 ~ 30V
Power Supply Adapter	Optional	Optional	Optional
Expansion	-	-	1 x PCIe x4
Dimension (WxDxH) (mm)	162 x 26 x 150	185 x 131 x 54	215 x 272 x 93
Weight (kg)	0.87	1.3	4.5
OS Support	Win10 64-bit	Win10 64-bit	Win7 32/64-bit, Win8 64-bit, WinCE/WEC, Win10 64-bit

Fanless Computer

Model			
	NISE 3800P2E	NISE 3800R	NISE 3800E-H110
CPU	6th gen. Intel® Core™ i7/i5/i3 LGA socket	6th gen. Intel® Core™ i7/i5/i3 LGA socket	6th gen. Intel® Core™ i7/i5/i3 LGA socket
Chipset	Q170 PCH	Q170 PCH	H110 PCH
Max. Memory	16GB DDR4	16GB DDR4	16GB DDR4
HDD Space	1 x 2.5" SATA HDD bay	2 x 2.5" SATA HDD bay	1 x 2.5" SATA HDD bay
CFast Socket	1 (External, M.2)	1 (External, M.2)	-
eMMC	-	-	-
VGA	1	1	1
DVI	1 (DVI-D)	1 (DVI-D)	1 (DVI-D)
HDMI	1	1	1
Display Port	1	1	-
USB	4 x USB 3.0 2 x USB 2.0	4 x USB 3.0 2 x USB 2.0	4 x USB 3.0 2 x USB 2.0
Serial Port	2	2	2
RS422/485	2	2	2
RS422/485 Isolation	2	2	-
mini-PCIe	2	2	2
M.2	1 (External)	1 (External)	
SIM Card Holder	1	1	1
GPIO	4-in/4-out (internal)	4-in/4-out (internal)	4-in/4-out (internal)
LAN Ports	3x GbE	3x GbE	2x GbE
Audio	Mic-in, Line-out	Mic-in, Line-out	Mic-in, Line-out
Power Input Range	ATX, DC +9 ~ 30V	ATX, DC +9 ~ 30V	ATX, DC +9 ~ 30V
Power Supply Adapter	Optional	Optional	Optional
Expansion	1 x PCI and 1 x PCIe x4	-	1 x PCIe x4
Dimension (WxDxH) (mm)	215 x 272 x 114	215 x 272 x 93	215 x 272 x 93
Weight (kg)	5	4.5	4.5
OS Support	Win7 32/64-bit, Win8 64-bit, WinCE/WEC, Win10 64-bit	Win7 32/64-bit, Win8 64-bit, WinCE/WEC, Win10 64-bit	Win7 32/64-bit, Win8 64-bit, WinCE/WEC, Win10 64-bit

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