



The Intelligent Systems

Interact & Engage,  
Innovate User Experience



# Digital Signage Product Selection Guide



# Digital Communication Revolution

## The Most Effective Communication Tool to Target Audience

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



## Embedded Systems Tailored to Improve Digital

### Communications

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

### Value Proposition

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

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

#### Industrial-grade Reliability

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

#### Optimized Price-Performance

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

#### Integration and Longevity

Highly-integrated and miniature designs in slim

and compact dimensions allow easy integration with large display devices, along with reduced deployment and cabling costs. The product design also includes the support for legacy I/O interfaces so that customers can retain and reuse their legacy infrastructures. Furthermore, long product lifecycles and

strict revision control policies are in place to eliminate software compatibility hassles.

### Application Scenario

A digital signage system consisting of media players, displays and content servers connected together can provide great flexibility to deliver stunning messages to target audience

at the right time and place. Compared to static signs, digital signage can showcase dynamic information with digital content that can be easily managed and updated remotely. Digital signage has been widely adopted in many applications. NEXCOM's target markets cover retails, quick service restaurants, transportation, and hospitality.





# NEXCOM's Specialties in Digital Signage Revolution

## Revolution

The popularity of digital signage is growing at a rapid pace, and applications within organizations are always evolving. In the never-ending quest for a better viewer experience, many new technologies are hitting the marketplace. In the coming omni-channel era, consumers receive information from all kinds of digital channels, including handheld devices, social media, and public broadcasting signage and so on. The revolution of media broadcasting moves digital signage into a new era.



Digital signage is everywhere, from indoor to outdoor, from restaurants to factories, from bus stations to running vehicles. However, digital signage will face various challenges in different applications. There is no single machine that fits all applications.

## Ruggedize for 24/7 Operations

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

NDiS digital signage players offer uncompromised reliability to ensure 24/7 operation.

- Long operating hours
- Fanless design
- Thermal design
- Water-and dust-resistance
- Wide operating temperature
- Low power consumption

## Create Resonating Experiences

Digital signage is surely not only for advertisement, but also improving shopping experience, keeping customer royalty, changing buying behavior, enhancing company brand and image. It's all about the customer experience. Great experiences keep customers coming back

again and again. SMB owners can interact with their customers whether they are in the store, on the website, or on a mobile device. It's always challenging to have a total view of customers and provide them with a seamless experience. But when implemented correctly, technology can surprise and delight your customers.

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

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



## Product Portfolio

	NDiS B Series	NDiS M Series	NDiS A Series	NDiS P Series
Focus and Diversified Strategy	Best-in-case fanless box player	Plug-and-play manageable modular player	Rugged all-in-one display	Retail and transportation preconfigured solution
Advantages	<ul style="list-style-type: none"><li>State-of-the-art fanless design with maximum performance</li><li>More legacy I/O</li><li>Wider operating temperature, IP rating</li></ul>	<ul style="list-style-type: none"><li>Fanless/low noise design</li><li>Leading platform/best of breed performance</li><li>Remote manageability</li></ul>	<ul style="list-style-type: none"><li>Vandal proof design</li><li>Remote diagnostic/manageability</li><li>Long-distance and daisy-chained multiple screens transmission line</li><li>Future planning for secondary targets</li></ul>	<ul style="list-style-type: none"><li>Cost-effective, reliable and easy to use digital signage solution for small to medium digital signage networks</li></ul>

- NFC
- Beacons
- Wi-Fi
- GPS
- 3G/4G
- Temperature sensors
- Humidity sensors
- Camera
- Gesture sensors
- Mobile devices

## Focus Thorough Detailing

The world we live will become a global network of computers, data, sensors, cameras, databases, devices, and virtual

artifacts all communicating to impact our daily lives. We are in a prime position to embrace this technological rise and extend applications further to provide truly unique and groundbreaking solutions connecting digital signage as a critical IoT element.

During this tremendous transition, NEXCOM plays a role to provide the best solution to all customers. From head to tail, NEXCOM overlooks every detail, thoroughly from design, test, and implementation to refine, integrate, and analyze our solutions. The ultimate goal is to make sure 100 percent satisfaction from customers.

For various applications, NEXCOM is here to meet your demands

- Optimized platform
- Embedded OS
- Flexible screen size
- Compact for high-integration demand
- Long-lifespan guarantee



# NEXCOM Fuses Digital & Physical Retail with Responsive Store Solutions

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

## Responsive Stores: Win-wins for Retailers & Customers

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

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

## Informative and Thorough Shopping Experience

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

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

Retailers can establish digital experience between checkout counters and the exit. The digital-signage-enabled space can bring premium services and customer

interactions to reinforce brand image and perform customer satisfaction analysis.

## Integrates Bricks with Clicks

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

## Successful Factors

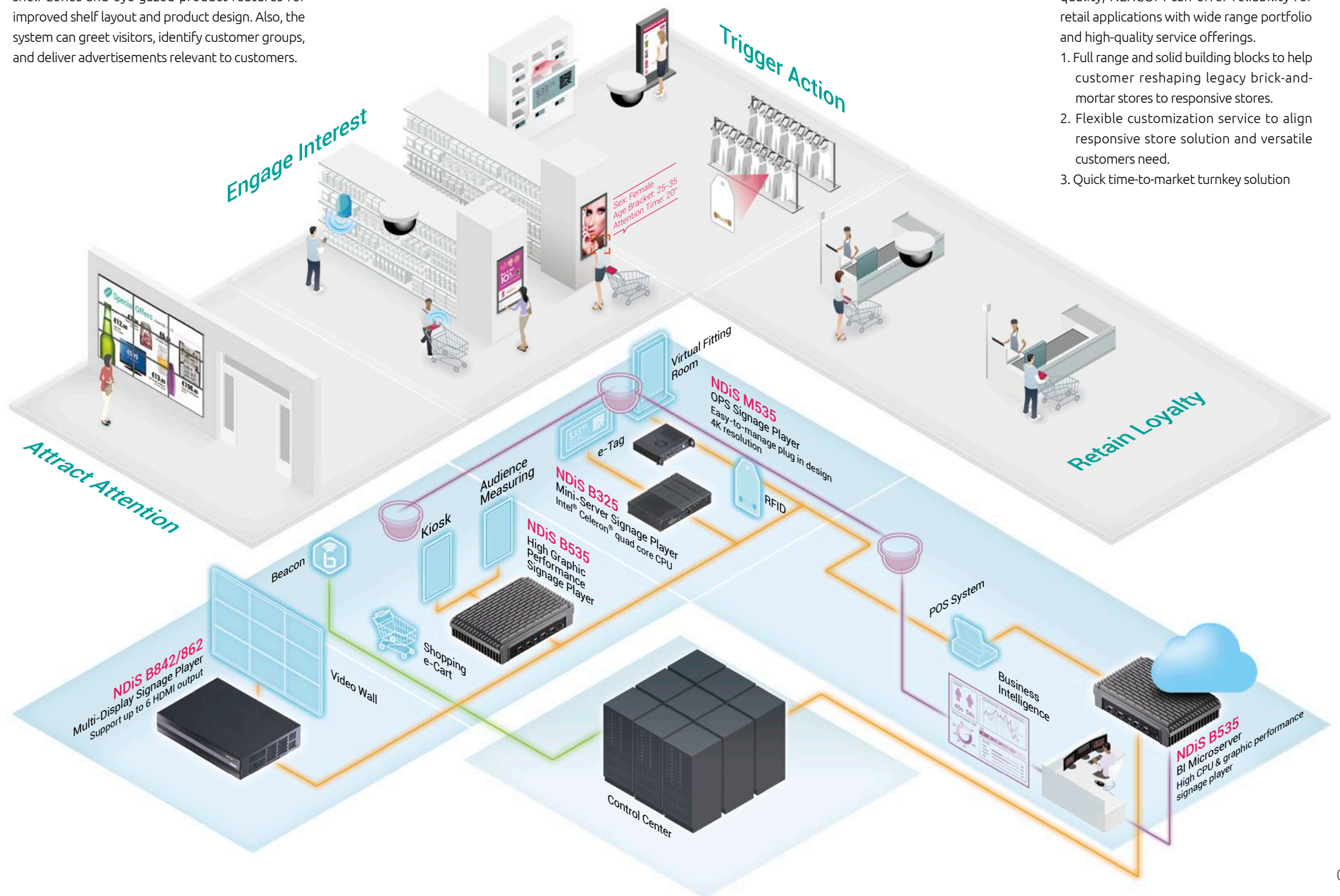
Retailers can exploit NEXCOM's solutions and build responsive stores to achieve the following objectives.

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

## NEXCOM's Strengths

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

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





# Bring Convenient QSR Dining Experience with Digital Signage

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

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

## Successful Factors

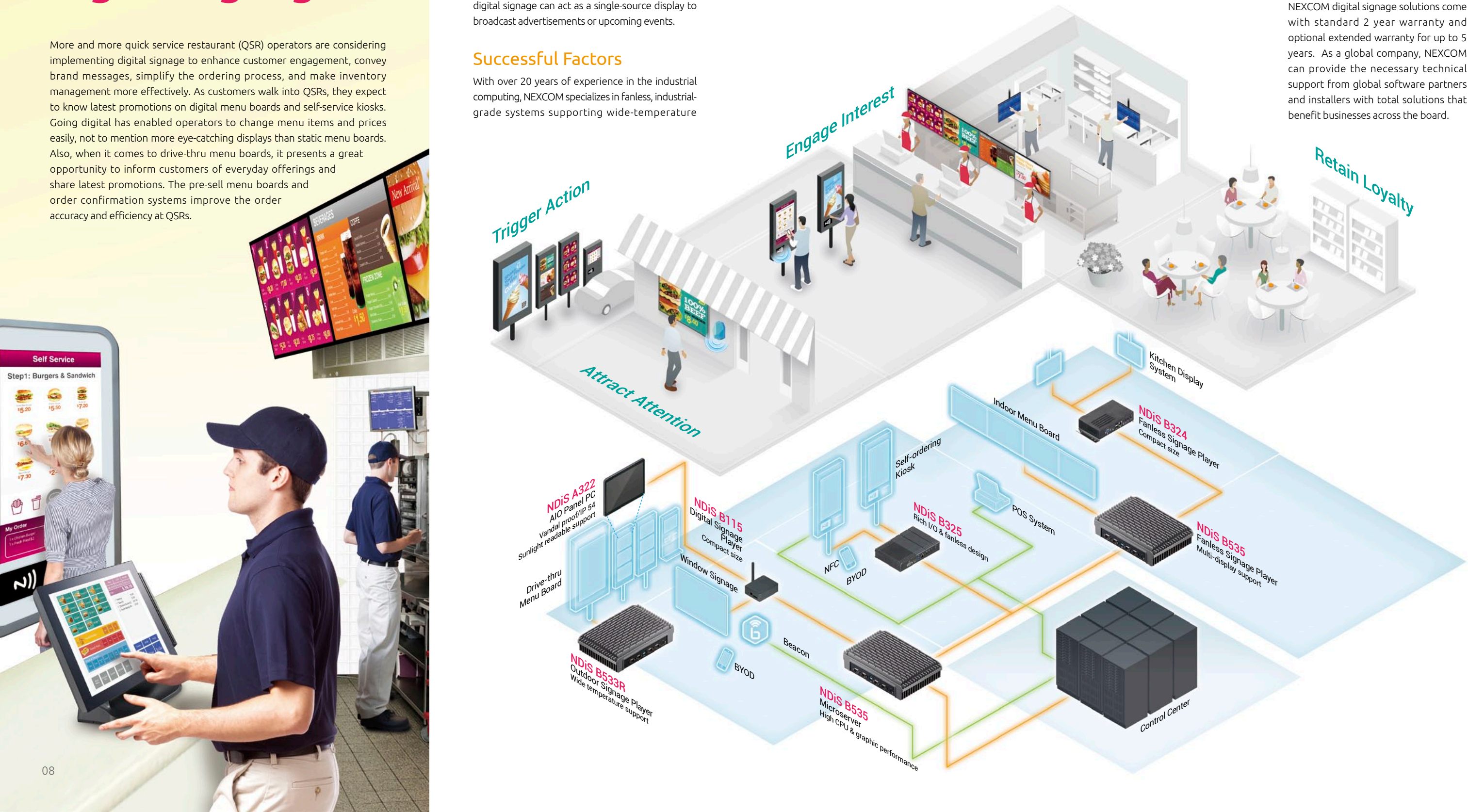
With over 20 years of experience in the industrial computing, NEXCOM specializes in fanless, industrial-grade systems supporting wide-temperature

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

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

## NEXCOM's Strengths

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





# Maximize Transit Revenue with Real-time Infomercial Exposure

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

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



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

## Successful Factors

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

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

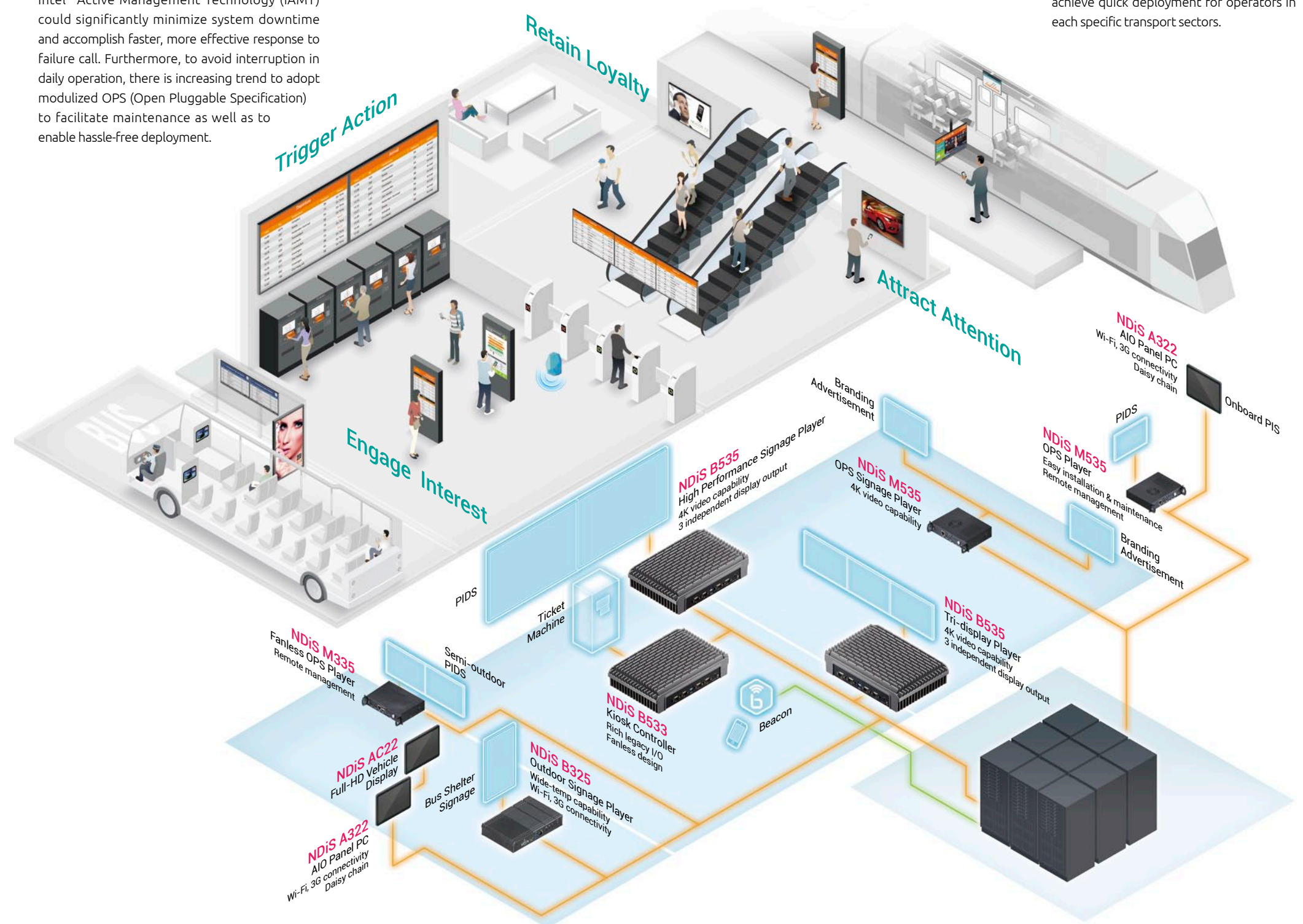
Again, to accommodate to harsh outdoor operating conditions at bus stops, system's capability to operate under high temperature condition must be addressed strongly.

## NEXCOM's Strengths

Catering to fast growing demand for reliable, market-proven digital signage solutions for transportation applications, NEXCOM runs dedicated teams from mechanical design, software programming to technical support to serve the industry seamlessly, not to mention ruggedized, fanless industrial design for improved durability to fit into indoor and outdoor environments. Rich I/O ports are equipped for smooth integration with LCD displays

as well as external devices. Moreover, in response to the need for centralized hardware management in large scale deployment, iAMT & DASH remote monitoring features are available in NEXCOM platforms, with which customers can integrate to their existing or new central management backend with the development kit provided.

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





# Hospitality Digital Signage Provides Guests with Pleasant Stay

The benefit of using hospitality digital signage is recognized by hotel, conference center, casino, resort, and other hospitality sites. It allows the venue owners to enhance services and show commitment to a satisfying guest experience. Eventually digital signage helps to provide guests a pleasant stay, increasing the possibility for repeat visits.

From welcoming guests in the lobby to reception area providing guidance of facilities, the hospitality digital signage can present guests dynamic news, live weather, traffic, and tourist information. In the lobby, corridor, and high traffic area, digital signage display or video wall effectively presents hotel brand image, services, and special offer. Digital signage also provides an easy way to display event listing with schedule, and direct visitors of way finding conveniently.



## Successful Factors

The use of digital signage in hotel is to guide the guest in unfamiliar location, therefore requiring clear, captivating displays with high resolution to catch guests' attention. Ultra HD (4K2K) resolution video streams not only present information smoothly and clearly, but also contribute to hotel atmosphere with a sense of relaxation with elegance.

For sophisticated hotel decoration, the digital signage system should be compact size in order to fit or hide into walls easily without contradicting the decoration. The reliability and effortless maintenance of digital signage are a must. Besides sleek signage display, self-service touchscreen feature allows hotel guest to access

information more conveniently, reducing waiting time from reception desk. More and more hotel guests are engaged to use interactive kiosk and touchscreen technology for enhanced user experience.

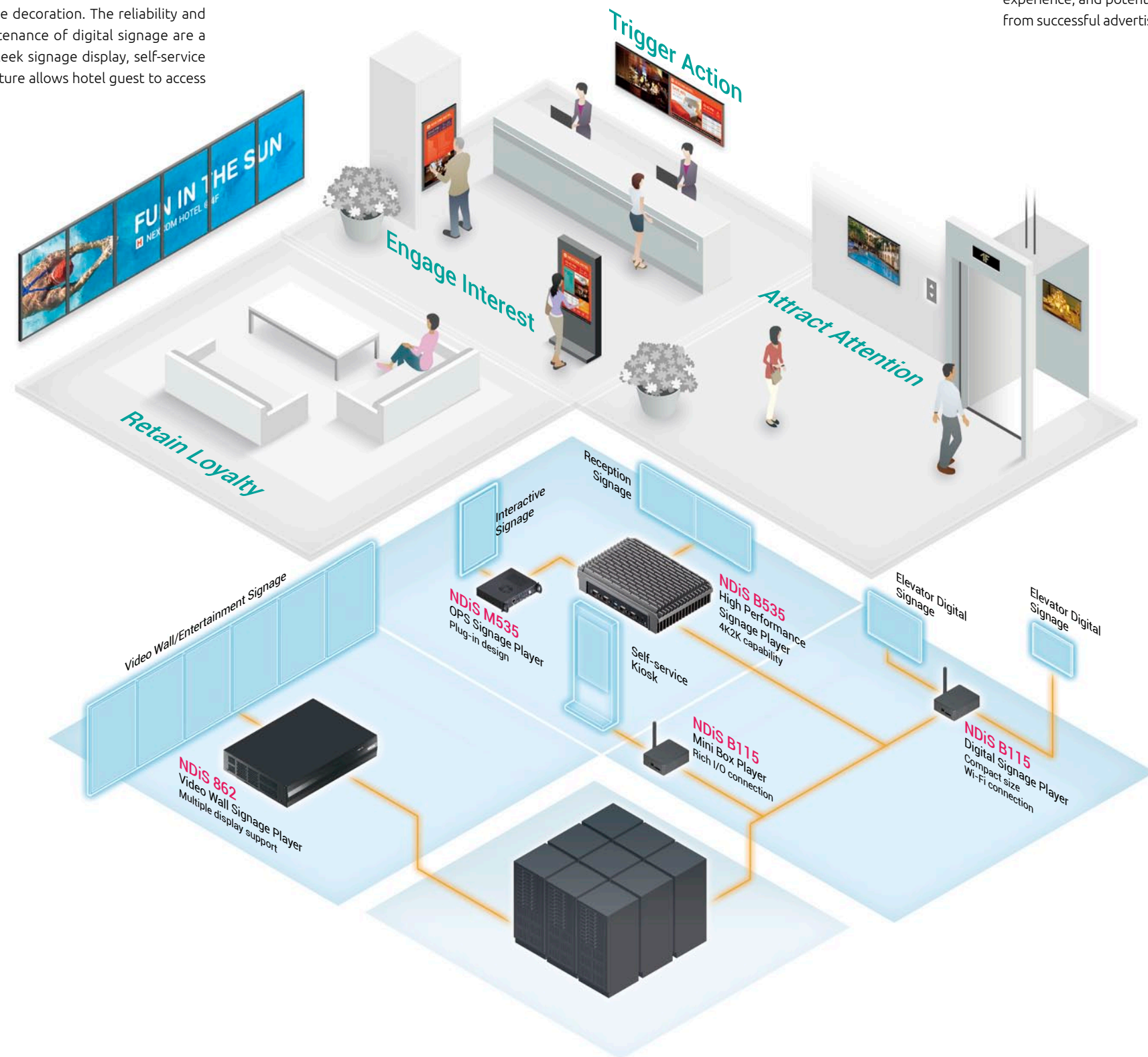
## NEXCOM's Strengths

Answering to the guest-centric requirement from hospitality market, NEXCOM, with profound experience and knowledge in embedded computing industry for more than 20 years, makes

it easy for hospitality venue owners to establish an affordable signage network across multiple facilities with reliable performance and minimum maintenance labor. Moreover, NEXCOM digital signage system features powerful transmission capability with compact design and rich I/O interface, interactive kiosk and many extra add-on devices supporting variable hotel digital signage applications.

NEXCOM signage system acts as a communication backbone which enables

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



# Product Selection Guide

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

## Confirm Scale for Applications

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

## Define Applied Scenarios

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

## Choose Output Interfaces

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

## Examine Setup Environments







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



Number of Display Outputs	Graphics Interface	HDMI	DP	VGA	DVI	Recommended Model	Thermal Management
	Performance						
1	ARM	1				NDiS B115	Fanless
	Atom™	1				NDiS 126	Fanless
2	Atom™	1		1		NDiS 126V, NDiS 127	Fanless
		2				NDiS 126H, NDiS M422	Fanless
	Celeron®	1		1		NDiS B324, NDiS B325	Fanless
		2				NDiS M324	Fanless
	Core™ i Series	1	1			NDiS B425	Fanless
3	Celeron®	3				NDiS M335	Fanless
	Core™ i Series	1		1	1	NDiS 166	Fanless
		1	1		1	NDiS 167	With Fan
		2	1			NDiS M532, NDiS M533, NDiS M535	With Fan
		3				NDiS B532, NDiS B533, NDiS B535	Fanless
4	Core™ i Series	4				NDiS B842	With Fan
6	Core™ i Series	6				NDiS B862	With Fan








# OPS Module Player







Model						
	NDiS M324	NDiS M335	NDiS M422	NDiS M532	NDiS M533	NDiS M535
CPU	Intel® Celeron® J1900	Intel® Celeron® N3150	AMD G-series T56N	2nd/3rd Generation Intel® Core™ rPGA Socket Type	4th Generation Intel® Core™ i3-4100/i5-4400E/i7-4700EQ	6th Generation Intel® Core™ i5-6440EQ/i7-6820EQ BGA Type Processor
Chipset	N/A	N/A	AMD A50M	Intel® QM77	Intel® QM87	Intel® QM170 PCH
Graphic	Intel® Gen7 Graphics	Intel® HD Graphics	AMD Radeon™ HD 6320	Intel® HD Graphics 4000	Intel® HD Graphics 4600	Intel® HD Graphic 530
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	2 x DDR4 SO-DIMM, up to 32GB
LAN	x1, 0/100/1000Mbps	x1, 10/100/1000Mbps	x1, 10/100/1000Mbps	x2, 10/100/1000Mbps	x1, 10/100/1000Mbps	x1, 10/100/1000Mbps
WLAN	Optional	Optional	Optional	Optional	Optional	Optional
Hard Disk	1 x 2.5" SATA	1 x 2.5" SATA	1 x 2.5" SATA	1 x 2.5" SATA	1 x 2.5" SATA	1 x 2.5" SATA
Flash Storage	N/A	NGFF (M2) 22 x 42 (SATA)	N/A	N/A	N/A	N/A
Video Output	1 x HDMI, 1 x TMDS (via JAE connector)	2 x HDMI, 1 x TMDS (via JAE connector)	1 x HDMI, 1 x TMDS (via JAE connector)	1 x HDMI, 1 x TMDS (via JAE connector), 1 x DP (via JAE connector)	1 x HDMI, 1 x TMDS (via JAE connector), 1 x DP (via JAE connector)	1 x HDMI(2.0), 1 x Mini DP, 1 x TMDS (HDMI2.0) (via JAE connector)
Display Resolution	1920 x 1080	HDMI1: 1920 x 1080 HDMI2: 3840 x 2160 TMDS (via JAE): 3840 x 2160	1920 x 1080	1920 x 1080	3840 x 2160	3840 x 2160
Output Channel	2 Independent or Clone	3 Independent or Clone	2 Independent or Clone	2 Independent or Clone	2 Independent or Clone	3 Independent or Clone
Video Capability	<b>Hardware Decode:</b> MPEG2/4, VC1, H.264, VP8	<b>Hardware Decode:</b> MPEG1, MPEG2, VP8 VC1, H.264, H.265	<b>Hardware Decode:</b> MPEG1, MPEG2, VC1, H.264	<b>Hardware Decode:</b> MPEG1, MPEG2, VC1, H.264	<b>Hardware Decode:</b> MPEG2, VC1, H.264,	<b>Hardware Decode:</b> MPEG2, VC1, VP8, H.264, H.265
Audio Output	1 x Mic-in, 1 x Line-out, 1 x Line-out (via JAE connector)	1 x Mic-in, 1 x Line-out, 1 x Line-out (via JAE connector)	1 x 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)	1 x Mic-in, 1 x Line-out, 1 x Line-out (via JAE connector)
TV Tuner	Optional	Optional	Optional	Optional	Optional	Optional
RS-232	1 x TX/RX (via JAE connector)	1 x TX/RX (via JAE connector)	1 (RJ45), 1 x TX/RX (via JAE connector)	1 x TX/RX (via JAE connector)	1 (RJ45), 1 x TX/RX (via JAE connector)	1 x TX/RX (via JAE connector)
USB 2.0	3 (1 x External, 2 x via JAE connector)	4 (2 x External, 2 x via JAE connector)	5 (2 x External, 3 x via JAE connector)	N/A	2 (2 x via JAE connector)	2 (2 x via JAE connector)
USB 3.0	4 (3 x External, 1 x via JAE connector)	3 (2 x External, 1 x via JAE connector)	N/A	4	5 (4 x External, 1 x via JAE connector)	3 (2 x External, 1 x via JAE connector)
Expansion Slot	1 x Mini-PCIe	1 x Mini-PCIe	1 x Mini-PCIe	2 x Mini-PCIe	1 x Mini-PCIe	1 x Mini-PCIe
Power Type	12-19V DC (via JAE connector)	12-19V DC (via JAE connector)	12-19V DC (via JAE connector)	12-19V DC (via JAE connector)	12-19V DC (via JAE connector)	12-19V DC (via JAE connector)
Dimension (mm)	200 x 119 x 30	200 x 119 x 30	200 x 119 x 30	294 x 198 x 52	200 x 119 x 30	200 x 119 x 30
OS Support	Win7/WES7/Win8/WE8S/Linux	Win7/WES7/Win8/WE8S/Win10/Linux	Win7/Win8/XP/WES7/WE8S/WES2009/Linux	Win7/Win8/XP/WES7/WE8S/WES2009/Linux	Win7/Win8/XP/WES7/WE8S/WES2009/Linux	Win7/WES7/Win8/WE8S/Win10/Linux



## Box Player



Model					
	NDiS B115	NDiS 126	NDiS 127	NDiS B324	NDiS B325
CPU	Rockchip RK3288	Intel® Atom™ D2550	AMD G-series T56N	Intel® Celeron® J1800	Intel® Celeron® N3150
Chipset	Embedded	Intel® NM10	Intel® AMD A55E	N/A	N/A
Graphic	MaliT760 (Embedded)	Intel® GMA 3650	ATI HD6320	Intel® Gen7 Graphics	Intel® HD 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 4GB	DDR3L SO-DIMM, up to 8GB
LAN	1 x 10/100M/1000Mbps	x2, 10/100/1000Mbps	x1, 10/100/1000Mbps	x1, 10/100/1000Mbps	x1, 10/100/1000Mbps
WLAN	Onboard 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 Onboard	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	1 x VGA, 1 x HDMI	1 x VGA, 1 x HDMI
Display Resolution	3840 x 2160	1920 x 1080	1920 x 1080	1920 x 1080	VGA: 1920 x 1080 HDMI: 3840 x 2160
Output Channel	1 Independent	2 Independent or Clone	2 Independent or Clone	2 Independent or Clone	2 Independent or Clone
Video Capability	<b>Hardware Decode:</b> MPEG1, MPEG2, VC1 H.264, H.265, VP9	<b>Hardware Decode:</b> MPEG1, MPEG2, VC1, H.264	<b>Hardware Decode:</b> MPEG1, MPEG2, VC1, H.264	<b>Hardware Decode:</b> MPEG1, MPEG2, VC1, H.264	<b>Hardware Decode:</b> 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
TV Tuner	N/A	Optional	Optional	N/A	Optional
RS-232	1 (UART)	1	1	1	1
USB 2.0	2	6	4	3	2
USB 3.0	N/A	N/A	N/A	1	4
Expansion Slot	N/A	1 x Mini-PCle	1 x Mini-PCle, 1 x Mini-PCle (Half)	1 x Mini-PCle (Half)	1 x Mini-PCle
Power Type	5V DC	12V DC	12V 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	180 x 150 x 25	226.34 x 147.4 x 29
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



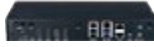
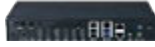
					
NDiS 166	NDiS 167	NDiS B425	NDiS B532	NDiS B533	NDiS B535
2nd Generation Intel® Core™ rPGA Socket Type Processor	2nd/3rd Generation Intel® Core™ rPGA Socket Type Processor	4th Generation Intel® Core™ i3-4010Y/Socket Type Processor	2nd/3rd Generation Intel® Core™ rPGA Socket Type Processor	4th Generation Intel® Core™ LGA Socket Type Processor	6th Generation Intel® Core™ LGA Socket Type Processor (up to 35W)
Intel® QM67	Intel® QM77	N/A	Intel® QM77	Intel® Q87	Intel® Q170 PCH
Intel® HD Graphics 3000	Intel® HD Graphics 3000/4000	Intel® HD Graphics 4200	Intel® HD Graphics 4000	Intel® HD Graphics 4600	Intel® HD Graphics 530
2 x DDR3 DIMM, up to 16GB	2 x DDR3 DIMM, up to 16GB	1 x DDR3 DIMM, up to 8GB	2 x DDR3 SO-DIMM, up to 16GB	2 x DDR3 SO-DIMM, up to 16GB	2 x DDR4 SO-DIMM, up to 32GB
x2, 10/100/1000Mbps	x2, 10/100/1000Mbps	x1, 10/100/1000Mbps	x2, 10/100/1000Mbps	x2, 10/100/1000Mbps	x2, 10/100/1000Mbps
Optional	Optional	Optional	Optional	Optional	Optional
1 x 2.5" SATA	1 x 2.5" SATA	1 x 2.5" SATA	1 x 2.5" SATA	1 x 2.5" SATA	1 x 2.5" SATA
SATA DOM	SATA DOM	N/A	SATA DOM	SATA DOM	NGFF (M2) 22 x 42/22 x 80
1 x VGA, 1 x DVI-D, 1 x HDMI	1 x DisplayPort, 1 x DVI-I, 1 x HDMI	1 x DisplayPort, 1 x HDMI	3 x HDMI	3 x HDMI	3 x HDMI (2.0)
1920 x 1080	1920 x 1080	3840 x 2160	1920 x 1080	3840 x 2160	3840 x 2160
2 Independent or Clone	3 Independent or Clone	2 Independent or Clone	3 Independent or Clone	3 Independent or Clone	3 Independent or Clone
<b>Hardware Decode:</b> MPEG1, MPEG2, VC1, H.264	<b>Hardware Decode:</b> MPEG1, MPEG2, VC1, H.264	<b>Hardware Decode:</b> MPEG1, MPEG2, VC1, H.264	<b>Hardware Decode:</b> MPEG1, MPEG2, VC1, H.264	<b>Hardware Decode:</b> MPEG1, MPEG2, VC1, H.264	<b>Hardware Decode:</b> MPEG2, VC1, VP8, 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 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
Optional	Optional	N/A	Optional	Optional	Optional
2	2	1	2	2	4
4	N/A	N/A	N/A	N/A	N/A
N/A	4	4	4	4	6
2 x Mini-PCle	2 x Mini-PCle	1 x Mini-PCle (Half)	2 x Mini-PCle	2 x Mini-PCle	1 x Mini-PCle 1 x NGFF (M2) 2230
12V DC	12V DC	19V DC	12V DC	12V DC	12V DC
250 x 194 x 40	250 x 194 x 40	167 x 139 x 45	294 x 198 x 52	294 x 198 x 52	294 x 198 x 52
Win7/Win8/XP/WES7/ WE8S/WES2009/Linux	Win7/Win8/XP/WES7/ WE8S/WES2009/Linux	Win7/Win8/WES7/ WES8/Win10/Linux	Win7/Win8/XP/WES7/ WE8S/WES2009/Linux	Win7/Win8/XP/ WES7/WE8S/ WES2009/Win10/Linux	Win7/Win8/WES7/ WE8S/Win10/Linux



## AIO PPC &amp; Display

Model		
	NDiS A322	NDiS AC22
LCD Size	21.5"	21.5"
Resolution	1920 x 1080	1920 x 1080
Brightness	500 cd/m <sup>2</sup>	500 cd/m <sup>2</sup>
Contrast Ratio	3000	3000
Viewing Angle	178/178	178/178
Mounting	VESA/Vehicle mount (Optional)	VESA/Vehicle mount (Optional)
Dimension (mm)	528.46 x 323.06 x 58	528.46 x 323.06 x 58
Power Input	DC 9V to 36V	DC 9V to 36V
Optional Communication	Wi-Fi/WWAN/GPS	N/A
Video over CAT5	Optional	1 x RJ45 (Input) 1 x RJ45 (Output, Support Daisy Chain)
CPU	Intel® Celeron® N2807	N/A
Memory	DDR3L SO-DIMM, up to 4GB	N/A
Storage Interface	1 x 2.5" SSD 1 x mSATA	N/A
USB	2 x USB 2.0	N/A
COM	1 x COM	N/A
Ethernet	1 x 10/100/1000Mbps	N/A
Audio	2W speaker x 2	N/A
Expansion	1 x Mini-PCle (Full) 1 x Mini-PCle (Half)	N/A
Certification	CE, FCC Class A, E13	CE, FCC Class A, E13
Operation Temperature	-10°C ~ 40°C	-10°C ~ 40°C
OS Support	Win7/WES7/Win8/WE8S/Linux	N/A

## Video Wall Player

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



# About NEXCOM

## Reliable Partner for the Intelligent Solutions

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

With its focus on delivering these core values to better serve customers, NEXCOM integrates its capabilities and operates six global businesses, which are IoT Automation Solutions (IAS), Intelligent Digital Security (IDS), Internet of Things (IoT), Interactive Signage Platform (ISP), Mobile Computing Solutions (MCS), and Network and Communication Solutions (NCS). This

strategic deployment enables NEXCOM to offer time-to-market, time-to-solution products and service without compromising cost.

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

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



<b>IAS</b>	iAutomation: factory automation (FA), robotics, industrial PC & PPC, IoT gateway Industrial Wireless & Firewall Solutions Intelligent System Services: embedded computing and customization services
<b>IDS</b>	Intelligent Digital Security: IP Cam, NVR, mobile server platform
<b>IoT</b>	Internet of Things: total solutions for vertical IoT applications Healthcare and Medical Informatics: total solutions with a variety of medical IT systems
<b>ISP</b>	Interactive Signage Platform: digital signage, interactive kiosk
<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.

## Headquarters

### NEXCOM International Co., Ltd.

9F, No.920, Chung-Cheng Rd., ZhongHe District, New Taipei City, 23586, Taiwan, R.O.C.  
Tel: +886-2-8226-7786  
Fax: +886-2-8226-7782  
www.nexcom.com

---

## America

### USA

#### NEXCOM USA

2883 Bayview Drive,  
Fremont CA 94538, USA  
Tel: +1-510-656-2248  
Fax: +1-510-656-2158  
Email: sales@nexcom.com  
www.nexcom.com

## Asia

### Taiwan

#### NEXCOM Intelligent Systems

##### Taipei Office

13F, No.920, Chung-Cheng Rd.,  
ZhongHe District,  
New Taipei City, 23586, Taiwan, R.O.C.  
Tel: +886-2-8226-7796  
Fax: +886-2-8226-7792  
Email: sales@nexcom.com.tw  
www.nexcom.com.tw

#### NEXCOM Intelligent Systems

##### Taichung Office

16F, No.250, Sec. 2, Chongde Rd.,  
Beitun Dist.,  
Taichung City 406, R.O.C.  
Tel: +886-4-2249-1179  
Fax: +886-4-2249-1172  
Email: sales@nexcom.com.tw  
www.nexcom.com.tw

### Japan

#### NEXCOM Japan

9F, Tamachi Hara Bldg.,  
4-11-5, Shiba Minato-ku,  
Tokyo, 108-0014, Japan  
Tel: +81-3-5419-7830  
Fax: +81-3-5419-7832  
Email: sales@nexcom-jp.com  
www.nexcom-jp.com

## China

### NEXCOM China

1F & 2F, Block A, No.16 Yonyou Software Park,  
No.68 Beiqing Road, Haidian District,  
Beijing, 100094, China  
Tel: +86-10-5704-2680  
Fax: +86-10-5704-2681  
Email: sales@nexcom.cn  
www.nexcom.cn

### NEXCOM Shanghai

Room 603/604, Huiyinmingzun Plaza Bldg. 1,  
No.609 Yunlin East Rd.,  
Shanghai, 200333, China  
Tel: +86-21-5278-5868  
Fax: +86-21-3251-6358  
Email: sales@nexcom.cn  
www.nexcom.cn

### NEXCOM Surveillance Technology

Room202, Bldg. B, the GuangMing Industrial Zone,  
Zhonghua Rd., Minzhi Street, Longhua District,  
Shenzhen, 518000, China  
Tel: +86-755-8364-7768  
Fax: +86-755-8364-7738  
Email: steveyang@nexcom.com.tw  
www.nexcom.cn

### NEXCOM United System Service

Hui Yin Ming Zun Building Room 1108, Bldg.  
No.11, 599 Yunling Rd., Putuo District,  
Shanghai, 200062, China  
Tel: +86-21-6125-8282  
Fax: +86-21-6125-8281  
Email: frankyang@nexcom.cn  
www.nexcom.cn

## Europe

### United Kingdom

#### NEXCOM EUROPE

10 Vincent Avenue,  
Crownhill Business Centre,  
Milton Keynes, Buckinghamshire  
MK8 0AB, United Kingdom  
Tel: +44-1908-267121  
Fax: +44-1908-262042  
Email: sales.uk@nexcom.eu  
www.nexcom.eu

### Italy

#### NEXCOM ITALIA S.r.l

Via Lanino 42,  
21047 Saronno (VA), Italia  
Tel: +39 02 9628 0333  
Fax: +39 02 9625 570  
Email: nexcomitalia@nexcom.eu  
www.nexcomitalia.it



The Intelligent Systems

Please verify specifications before quoting. This guide is intended for reference purpose only.

All product specifications and information are subject to change without notice.

No part of this publication may be reproduced in any form or by any means without prior written permission of the publisher.

All brand and product names are registered trademarks of their respective companies.

©NEXCOM International Co., Ltd. 2016