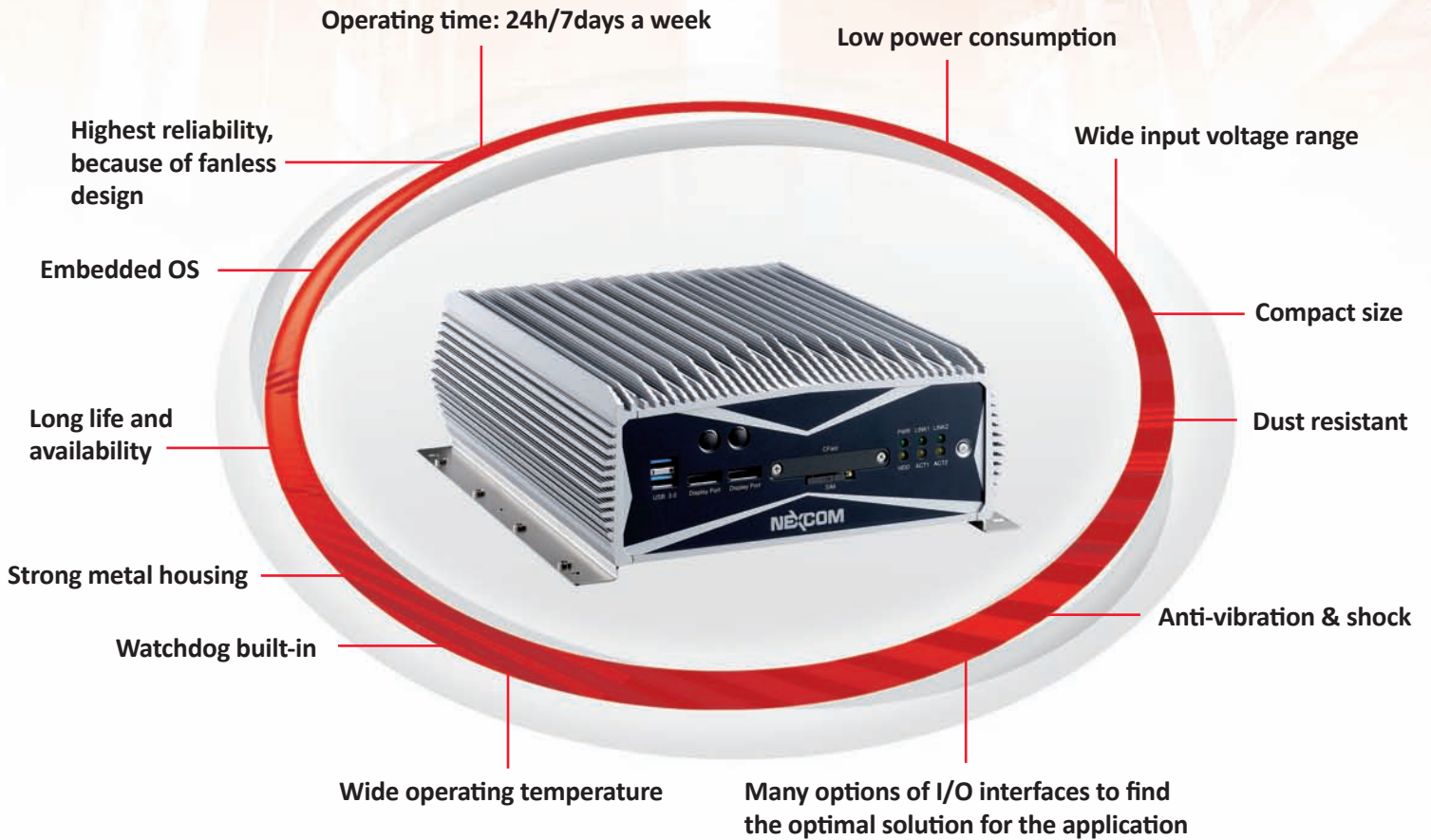


Digital Signage  
Fanless Box PCs  
Panel PCs  
Embedded Boards  
Displays

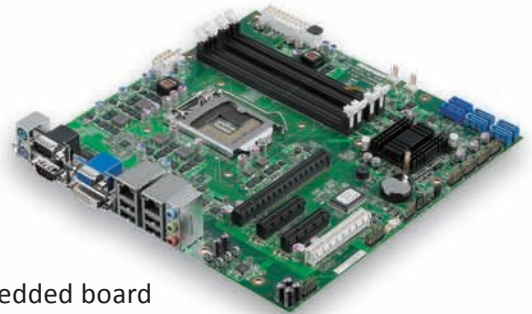


# INDUSTRIAL COMPUTERS AS THE BEST CHOICE

## INDUSTRIAL COMPUTER DESIGN



Fanless Digital Signage player capable to support Full HD video playback



Embedded board

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# INDUSTRIAL COMPUTERS FOR DIGITAL SIGNAGE

## What is DIGITAL SIGNAGE?

Digital Signage is a form of dynamic communication using industrial computers called Media Players or network of customizable Media Players with display screens or projectors in public places out-of-home. It can provide sales increase as a corporate communications device, advertising tool or digital menu board.

The components of a typical Digital Signage installation include one or more industrial computers, display screens, and a content management server.

One content management server may support multiple media players and one media player may support multiple screens. Stand-alone Digital Signage computer combine all three functions in one device and no network connection is needed.

Digital Signage offers good opportunity to generate revenue by promoting and advertising customers products to a specific target market on demand and build brand image by influencing customer behavior and catching the customers eyes.

### Microdis & NEXCOM – Solution

Microdis Electronics is an official distributor of NEXCOM. This is a company with 18 years of solid experience in industrial computing, is dedicated to providing industrial-grade and high-performance computers. NEXCOM has created a full range of Digital Signage Players, the NDiS series, to address the requirement for a broad spectrum of Digital Signage applications.

NEXCOM computers give users excellent performance and industrial grade reliability, thus is an ideal solution for Digital Signage applications.

### Low power consumption, cost-effective players:

When various Digital Signage applications rapidly spread around the world, every participant looks for a way to maximize return on investment and lower total ownership cost. NEXCOM's NDiS B322,126,127 are cost-effective Digital Signage players capable of playing high resolution video.

#### NEXCOM NDiS B322

##### Main Features:

- ✓ Intel Celeron 847 Dual Core 1.1GHz/17W
- ✓ Intel HD3000 graphics support Full HD video
- ✓ Dual display
- ✓ 1x VGA and 1x HDMI Output
- ✓ 3x USB 2.0 & 1x USB 3.0
- ✓ 1x GbE LAN
- ✓ Fanless and compact design
- ✓ Optional VESA Mounting Kit/WLAN



The NDiS B322 can drive two displays via HDMI and VGA ports without need of separate graphic card. To allow for fast content update, the B322 incorporates the industrial-leading USB 3.0 as standard. With support for a diverse variety of OS options including open resource Linux and Microsoft's Windows®, the B322 allows users to select between Ubuntu 12.04, Fedora 17, Windows® Embedded and even Windows® 8.



#### NEXCOM NDiS 126

##### Main Features:

- ✓ Intel® Atom™ processor D2700 2.16GHz onboard
- ✓ Intel® GMA 3650 integrated graphic engine support full HD video
- ✓ 1x HDMI and 1x additional output (VGA/HDMI)
- ✓ 6x USB 2.0
- ✓ Dual GbE LAN
- ✓ 1x external SIM card holder + antenna holes
- ✓ 1x RS-232 (optional 2nd COM)
- ✓ Mini-PCIe expansion slot for optional WLAN/3.5G module/TV tuner
- ✓ Fanless and compact design



NDiS126 comes with an enhanced graphic engine and video decoder, therefore it is powerful enough to support Full HD 1080P contents on dual independent displays. Moreover it provides various options of video and audio outputs, dual GbE Ethernet with optional wireless connectivity, a SIM card slot for 3.5G radio connectivity. This design makes the NDiS 126 an ideal choice for digital signage platforms adapted to almost any environment.

#### NEXCOM NDiS 127

##### Main Features:

- ✓ AMD G-series T56N 1.65GHz Dual Core APU
- ✓ Integrated AMD Radeon™ HD6320 GPU support Full HD video
- ✓ DirectX 11 support
- ✓ 1x VGA and 1x HDMI Output
- ✓ 6x USB 2.0
- ✓ 1x GbE LAN
- ✓ 1x RS-232
- ✓ 2.5" HDD socket: external accessible type, screwed with HDD bracket
- ✓ 1x Mini-PCIe slot for TV tuner/WLAN support
- ✓ 2x antenna hole for Wi-Fi or TV tuner module
- ✓ Fanless and compact design



Integrated with AMD Radeon™ HD6320 Graphic Processing Unit in APU, NDiS 127 supports 1080P video playback and DirectX 11 to demonstrate high impact contents through dual displays. This model is designed to fulfill small form factors, low costs, high reliability and low power requirement in digital signage application.

## High performance Full HD Players

### NEXCOM NDiS 166

#### Main Features:

- ✓ the superb technology of Intel® Core™ i3/i5/i7 CPU Sandy Bridge family
- ✓ Intel® HD3000 graphics engine and QM67 chipset
- ✓ Intel® vPro™ Technology
- ✓ Dual independent Full HD Video Playback Support

- ✓ Up to 8Gb RAM Memory
- ✓ VGA, DVI, HDMI output
- ✓ 4x USB 2.0, 2x RS232, Dual GbE LAN
- ✓ 2x mini-PCIe for TV tuner, WLAN, GSM 3.5G module



NDiS 166 is an advanced Digital Signage player which fully satisfies the customer's expectations of dual display with Full HD video support, that assures superb playback ability. Powerful Fanless Design and impressive system performance, which exceeds expectations in high performance digital signage applications.

### NEXCOM NDiS167

#### Main Features:

- ✓ Support 3rd gen. Intel Core i3/i5/i7 CPU Ivy Bridge family
- ✓ Intel® new HD4000 graphics engine and QM777 chipset
- ✓ Intel® vPro™ Technology

- ✓ Triple independent Playback Support
- ✓ Up to 16Gb RAM Memory
- ✓ Display port, DVI-I, HDMI output
- ✓ 4x USB 3.0, 2x RS232, Dual GbE LAN
- ✓ 2x mini-PCIe for TV tuner, WLAN, GSM 3,5G module



With the hardware-assisted acceleration for graphics and support for DirectX 11, NEXCOM has achieved significant progress in responsiveness and performance on NDiS 167. The digital signage player can depict great details of 3D images and play full HD multimedia content to meet ever-demanding market expectations. Better still, NDiS 167 featuring with Mobile Intel® QM77 Express chipset can support up to three independent displays, enabling more desirable content manipulation.

## Wall controller, up to six independent display Media Players

Multiple video outputs

Powerful discrete graphic controller

Portrait/Landscape display orientation

Maximize visual impact to draw more attention

Flexible screen matrix

### NEXCOM NDiS B862

#### Main Features:

- ✓ AMD R-Series APU and Radeon E6760 Embedded GPU
- ✓ Up to 16Gb RAM
- ✓ 6x HDMI
- ✓ 2x USB 3.0
- ✓ 2x GbE
- ✓ WWAN/ WLAN and TV tuner support



The multi-display digital signage player NDiS B862, can connect up to six independent HDMI displays to smoothly present multiple Full HD videos. NDiS B862 is an advanced media player for any applications requiring to render high quality contents over multiple displays. It is especially suitable for video wall, security control room, digital menu board, and corporate reception.

## OPS Solutions



### NDiS OPS-M532

#### Main Features:

- ✓ 3rd generation Intel® Core™ processor
- ✓ Intel® HD Graphics 4000 with DirectX 11 support
- ✓ Support for Intel® AMT 8.0/vPRO and CEC function
- ✓ Up to 8Gb RAM Memory
- ✓ Designed compliant with open pluggable standard (OPS)
- ✓ WWAN /WLAN/ TV Tuner support
- ✓ One 2.5" HDD bay
- ✓ HDMI, DP, USB 3.0, GbE LAN,



Positioning as a network player, M532 has extended remote management to hardware level. Combing Intel® Active Management Technology and Consumer Electronics Control function, M532 offers users out-of band access to hardware status check and to system restore via LAN, GSM and Wi-Fi network. Display brightness and volume can also be adjusted over the network. In addition, M532 can drive three displays without requiring discrete hardware, delivering more with less hardware, cost and energy consumption as compared to digital signage players based on the previous Sandy Bridge CPU family.

# INDUSTRIAL COMPUTERS FOR AUTOMATION INDUSTRY

## Low Power, compact sizes controllers:

NEXCOM NISE90, 91, 100, 101, 103, 104

### NEXCOM NISE 91 – DIN-Rail computer

#### Main Features:

- ✓ On-board Intel® Atom™ E640 1.0 GHz Processor
- ✓ On-board DDR2 1G Memory Chip
- ✓ 2x Intel® 82574L GbE LANs
- ✓ 3x USB2.0 / 1x VGA / 3x Serial Ports / 1x CAN bus
- ✓ 8CH GPI and 8CH GPO
- ✓ 1x mini-PCIe socket + 2x antennas for optional WiFi module
- ✓ Support 1x 2.5" HDD Drive Bay
- ✓ Support 12V and 24V DC Input

Equipped with Intel® Atom™ E640 1.0 GHz processor and Intel® Platform Controller Hub EG20T, the NISE 91 fanless computer features low power consumption of only 15W and an abundance of I/O options to meet the requirements of factory and industrial automation control.



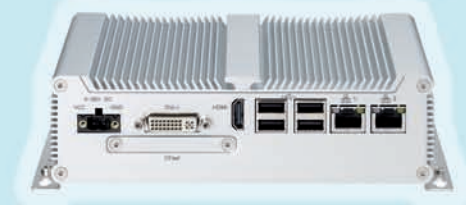
NEXCOM



### NEXCOM NISE 104

#### Main Features:

- ✓ On-board Intel® Atom™ D2550 CPU, 1.86 GHz
- ✓ Intel® NM10 Express chipset
- ✓ 6 x USB2.0, Dual GbE
- ✓ VGA & DVI-I supports dual independent display function
- ✓ 2 x RS232/ 422/ 485 and 2x RS232
- ✓ 1 x mini-PCIe socket (support optional Wi-Fi or 3.5G module)
- ✓ External SIM card holder
- ✓ CFast socket
- ✓ 9 ~36VDC Power Input
- ✓ Supports ATX Power Mode, WoL, LAN Teaming and PXE Function



Designed with graphic intensive applications in mind, NISE 104 has a powerful on-board 1.86 GHz processor and excellent graphics handling capabilities including 1080P. Despite its dimensions, fanless NISE 104 packs an amazing amount of I/O into an incredibly compact chassis. For enhanced durability, NISE 104 has a „cable-free“ internal construction, a feature which makes it more resistant to vibration.

#### Applications

Communications control, Industrial automation, machinery computer, self-service computer, kiosk computer, ticket machine, transportation control system, SCADA and wireless RTU system.

## Power-efficient and extended temperature platform

NEXCOM NISE2000, 2010, 2020, 2100, 2100A, 2110, 2110A, 2200, 2210, 2300, 2310

### NEXCOM NISE2200/2300

#### Main Features:

- ✓ Intel® Atom™ Dual Core D2550 processor, 1.86 GHz.
- ✓ 6 x USB2.0, Dual GbE LAN (4x GbE LAN in NISE2300)
- ✓ DVI-I + HDMI/DVI-D supports dual independent display function
- ✓ 2 x RS232 and 2/4 x RS232/422/485 w/ isolated protection
- ✓ 1 x external CFast Socket and one external SIM card holder
- ✓ 9 ~ 36V DC input
- ✓ 1 x PCI/ PCIe Expansion Slot as option
- ✓ Wide operating temp. -20 ~ 70°C



The variety and diversity of I/O interfaces is a major highlight of NISE 2200/2300. Regards to electromagnetic disturbances issue, two RS-232/422/485 provide isolation protection. The NISE2200/2300 Series fanless extended temperature computer can be utilized within industrial automation, self-service machines like Kiosk check-in machines, recycling machines as well as factory automation.

## High performance platform

NEXCOM NISE3140, 3140, 3142, 3145, 3500, 3520, 3600, 3640



### NEXCOM NISE 3600/3640

#### Main Features:

- ✓ Support 3rd generation Intel® Core™ i3/i5/i7 CPU
- ✓ Wide operating temp. -20 ~ 60°C (NISE 3640)
- ✓ Mobile Intel® QM77 PCH
- ✓ 2x / 4x GbE LAN, 4 x USB 3.0, 2x USB 2.0
- ✓ VGA + DVI-D + 2x DP with triple Independent Display function
- ✓ external CFast socket and SIM card holder
- ✓ 5 x RS232 and 1 x RS232/422/485
- ✓ 1 x mini PCIe socket for GSM/WLAN
- ✓ 9V to 30V DC power input
- ✓ Expansion slots: up to 2x PCI / 2x PCIe4 as option
- ✓ Support ATX power mode and WoL and PXE function
- ✓ Aluminum Chassis with fanless design



The NISE 3600/3640 series is a power mixture of scalable computing performance, flexible PCIe expansion, and high-bandwidth interfaces. In addition, this series adopts a fresh new industrial design to have reliability escalated to match up its enormous capability and functionality. With computing and graphic performance enhancement, NISE 3600/3640 fulfill any graphic intensive or computing oriented applications, even wide operating temperature and vibration may exist.

## Marine computer

The nTUF series marine computer stands for the NEXCOM Tough Computer mainly for Marine Bridge and Control Room computing solution. The nTUF fanless computer adheres to EN60945, IACS-E10, DNV, and NMEA specifications. Combined with fanless structure and isolation protection on NEMA interfaces and DC input, the computer can deliver reliable performance even when challenged by environmental conditions at sea. It is one tough marine computer for fishing vessels, recreational boats, merchant marine, workboats, and sailing yachts.

### NEXCOM nTUF 600/610

#### Main Features:

- ✓ On-board Intel® Atom™ Dual Core D525 1.8 GHz / Core i7-2610UE 1.5GHz
- ✓ 4x USB ports
- ✓ Dual M12 connector for Intel® 82574L GbE LAN ports
- ✓ 1x VGA display output
- ✓ 2x RS232
- ✓ 2x PS/2 for keyboard and mouse
- ✓ 1x external CFast socket
- ✓ 1x mini-PCIe with two antenna holes for Wifi and 3.5G modules
- ✓ 16V ~ 30V DC input / +24V DC input with 1.5KV isolation protection
- ✓ Dual cold swappable 2.5" SSD tray
- ✓ Supports ATX Power Mode, WoL, LAN teaming and PXE function
- ✓ Operating temperature: -25 ~ 55°C (according to IEC60945, E10 and DNV standards)



The fanless design and thermal solution on nTUF 600 ensure the Marine Bridge System running smoothly and reliably. The front accessible interface design, swappable 2.5" SSD tray and screwed type CFast deliver the benefit of engineering-free and the ease of installation and maintenance.

## MOBILE SURVEILLANCE

NEXCOM NVIS 2140H, 2280, 3540, 3542



### NEXCOM NVIS3542P4/P8

#### Main Features:

- ✓ Support Intel® Core™ i7/i5 socket processor
- ✓ Mobile Intel® QM57 PCH
- ✓ Dual Intel® Gigabit Ethernet
- ✓ Dual VGA or VGA/DVI or DVI/HDMI Independent Display
- ✓ 3 x RS232 and 1 x RS232/422/485 with Auto Flow Control
- ✓ 4 x PoE ports (3542P4) / 8 x PoE ports (3542P8)
- ✓ 2 x hot swappable 2.5" HDD bays
- ✓ 9 ~ 36V DC input
- ✓ Support ATX power mode and PXE/WoL
- ✓ Certified MIL-STD-810F-514.5 C3 resistance,
- ✓ Power ignition function via NISKIG120 module
- ✓ Support 3G/ Wi-Fi/ GPS communications



The NVIS 3542 series integrates PoE interface. Simultaneously, up to sixteen channels of videos from high megapixel IP cameras can be circulated throughout PoE interface and GbE LAN and displayed on two independent displays. Moreover, ANPR/LPR video capture function can also be added to these mobile NVRs via PCIe x1 interface. Computer is designed for a broad range of applications which demand intense graphics performance. This ruggedized mobile NVR series guarantees highly reliable performance in challenging mobile environments and is suitable for use in police patrol cars, fire engines, ambulances, public transportation and more.

# MOBILE INDUSTRIAL COMPUTERS

**In-vehicle PC:** NEXCOM VTC 1000, 2000, 2100, 6100, 6100-DK, 6110, 6120, 6200, 6200-NI, 6200-NI-DK

## NEXCOM VTC 1000

### Main Features:

- ✓ Compact and fanless design
- ✓ EG20T chipset with Intel® Atom™ E640 1.0GHz
- ✓ Built-in GPS receiver with optional dead reckoning function
- ✓ 2x mini-PCIe for variety wireless communication options (WLAN, GSM 3.5G, BT)
- ✓ 2x RS232, 2x USB 2.0, 1x GbE LAN
- ✓ Wake on RTC/ SMS via WWAN module (Option)
- ✓ Wide range DC input 6 ~ 36V
- ✓ Operating temperatures: -20 ~ 70°C
- ✓ Smart Power Management with ignition On/Off delay
- ✓ High vibration resistance
- ✓ Decode of MPEG4 video by hardware
- ✓ Certified by CE/ FCC/ e13 Mark



The VTC 1000 car PC is designed for the transportation segment, especially for the vehicles with limited space to house the computer system. This car PC adopts the Intel® latest Tunnel Creek processor, Atom™ E640 series. An advanced GPS receiver with dead reckoning is available as an option as well as the wireless communication. VTC 1000 in-vehicle computer is the best choice with the cost effective solution for your vehicle application.



## NEXCOM VTC7100/7110

### Main Features:

- ✓ Intel® Core™ i7 2610UE 1.5GHz / Atom™ D2550 1.86GHz processor
- ✓ Variety wireless communication options (3.5G, GSM/ GPRS, WLAN, BT)
- ✓ Smarter ignition power on/off, delay-time and low voltage protection
- ✓ 9~36V wide range DC power input
- ✓ Operating temperature: -30°C to 50°C
- ✓ VGA & LVDS output
- ✓ Support two SIM card slots
- ✓ Optionally Support 4/8 channel POE with IEEE802.3af
- ✓ Rugged fanless design to meet MIL standard
- ✓ Dual removal 2.5" SSD tray and CFast storage
- ✓ Optional CAN bus with support of SAE J1939/J1708
- ✓ Optional battery backup kit & IP65 protection Kit
- ✓ Optional 7" / 8" monitor with Touchscreen



Computer is equipped with isolated RS-232, RS-422/485 interfaces and CAN bus protocol SAE J1939/1708. Perfect for fleet management, VTC 7100/7110 eliminates problems caused by inrush current/voltage, establishes reliable vehicular communication network and facilitate monitoring of vehicle subsystem. The other variant of this computer features four or eight channels of Power over Ethernet. Devices supporting 802.3af protocol, such as high resolution IP cameras, can directly connect to computer with just one Ethernet cable.

## Vehicle Mount computer

### NEXCOM VMC3000/3500

#### Main Features:

- ✓ 10.4" XGA TFT LCD monitor / optional sunlight readable 1000nits
- ✓ Intel® Core™ i7 2610UE 1.5GHz / Atom™ D2550 1.86GHz processor
- ✓ Automatic/ manual brightness control
- ✓ On screen F1~F10 function key
- ✓ Variety wireless communication options (3.5G,WLAN, BT)
- ✓ CFast and 2,5" slot for storage
- ✓ CAN bus support J1939/J1708
- ✓ 3x USB 2.0, 2x RS232, 1x GbE
- ✓ All enclosure compliant with NEMA4/ IP65
- ✓ 9~36V wide range DC power input
- ✓ Operating temperature: -30°C to 60°C



VMC 3500/3501, 10.4-inch all in one robust vehicle mount computer, is designed for the transportation, warehouses and material handling application. It offers two different levels of computing performance. VMC 3500/3501 based on the 2nd generation Intel® Core™ i7-2610UE processor are intended for computing- and graphics-intensive intelligent systems; VMC 3000/3001 powered by Intel® Atom™ processor D2550 are aimed to meet both needs for vehicle telematics and energy efficiency. VMC 3500/3501 is extremely rugged, the aluminum enclosure compliant with IP65 is designed against vibration, dust, moisture and chemical impacts.

## Rugged train PC

### NEXCOM nROK 3000

#### Main Features:

- ✓ Built-in Intel® Atom™ D525 Dual Core 1.8GHz processor
- ✓ Fanless design, Easy maintenance
- ✓ 1 x DVI-I connector with DVI-D and VGA output
- ✓ 2x mini-PCIe for wireless communication options (WLAN, GSM 3.5G)
- ✓ Rich I/O interface with secure lock
- ✓ Removable 2.5" SSD tray / CFAST slot with protection cover
- ✓ Isolation RS-232/ 422/ 485 and GPIO
- ✓ Optional 24V/ 110V DC input with isolated protection
- ✓ Operating temperature: -40 ~ 55°C (EN50155 Class T2)
- ✓ High vibration & shock resistant
- ✓ Compliant with IP65 design
- ✓ Certified by EN50155

NEXCOM



The latest transportation computing solution the nROK 3000 fanless computer certified with EN50155 is specially designed for railway related applications. Adopting a lock concept, all connectors, such as the M12 Ethernet connector are designed for anti-vibration.

## Rugged tablet PC

7-8" Rugged Tablet PC with Touch Screen

NEXCOM MRC2000-E, 2100-E, 2200, 2300 AAEON RTC-700, 1000

### AAEON RTC-700

#### Main Features:

- ✓ NVIDIA® TEGRA™ 2 1.0GHz Dual Core Processor
- ✓ High brightness 7" WXGA(1280 x 800) TFT LCD
- ✓ Projected Capacitive Multi-Touch screen (Gorilla glass)
- ✓ 16GB eMMC Flash
- ✓ Wireless connectivity WLAN/ WWAN/ Bluetooth
- ✓ Integrated GPS receiver, G-sensor, 3-axis gyroscope. E-compass
- ✓ IP65 compliance for dust and water protection
- ✓ Operating temperature: -20°C to 60°C
- ✓ Battery life: 6-8 hours
- ✓ Compliant with MIL-STD-810G from vibration

AAEON



RTC-700A weighs in at only 570g and runs the Android™ v4.0/v3.2 operating system and an intuitive Graphic User Interface. RTC-700A offers utility and field service workforces greater convenience and comfort than larger tablets including richer features over smaller handheld devices. The newer design has a scratchproof LCD and protection against shock, vibration, water and dust. The RTC-700A is well suited for harsh environments or operations with rough handling, such as those in field service, law enforcement, defense, construction, utilities, fleet management, warehousing, healthcare, restaurants and retail management.

## PANEL PCs

### Industrial panel PC

NEXCOM APPC series (8" , 12.1" , 15" , 17" , 19")

The NEXCOM fanless Panel PC adopts an all-in-one concept that integrates a single board computer, a LED display, and a user-friendly touch screen within a slick and compact NEMA 4 / IP65 chassis. Designed to serve as a flexible and reliable industrial computing platform, each Panel PC is a compact, highly integrated, network-ready computer with exceptional I/O connectivity. The industrial graded machinery computer from NEXCOM is designed for the use in harsh environments where shock, vibration and resistance are an issue.

### NEXCOM APPC1930T

#### Main Features:

- ✓ 4:3 19" Fanless LED Panel Computer
- ✓ Intel® Atom™ D2550, Dual Core, Low Consumption CPU
- ✓ Flush Panel by 5-wire Touch Screen
- ✓ Dual GbE/ 2nd display-VGA/ Line-in/ Line-out/ MIC-in/ PS2 KB/MS
- ✓ USB x 4/ 2 x Mini-PCIe sockets/ 1 x CFAST/ 2 x RS232/ 422/ 485
- ✓ Optional 3.5G/ Wi-Fi Module/ 2.5" HDD / 2 x COMs/ GPIO / DIO
- ✓ IP65 Compliant Front Panel
- ✓ Mounting Support: Panel/ Wall/ Stand/ VESA 100mm x 100mm
- ✓ Wide Range Power Input 12V~ 30V DC

NEXCOM



The front IP65 compliant panel provides protection from water and moisture damage which allows users to clean the surface directly using high-pressure water jets. This feature makes the APPC series machinery computer especially suitable for applications where stringent hygiene levels are important, such as within the food and beverages industry. The dual display configuration is supported by all models. Paired with NEXCOM APPD industrial touch monitor of the same size, the APPC series will allow for visual uniformity on the factory floor.

## Multi-Media panel PC

NEXCOM MPPC series (8.9" , 21.5" , 32")

NEXCOM Multi-Media Panel PC (MPPC) Series fanless computer incorporates a 16:9 LCD touch screen panel, making MPPC Series Panel PC perfect for digital signage players, self service and Kiosk applications. Featuring environmentally friendly (usuwamy Featuring environmentally friendly), The MPPC Panel PC has a modular architecture and fanless thermal operation, plus low power consumption. It is available in various different (usuwamy different) LCD sizes with resolutions up to 1920x 1020 (Full HD). The MPPC Series fanless computer features built-in dual Ethernet and optional Wi-Fi module and the slimmest x86 based touch terminal.

**NEXCOM**



### NEXCOM MPPC 3220-T

#### Main Features:

- ✓ 16:9 32" Fanless Panel Computer
- ✓ Intel® Atom™ D525, Dual Core, Low Consumption CPU
- ✓ SAW touch screen
- ✓ Dual GbE/ Line-in/ Line-out/ MIC-in/ PS2 KB/MS
- ✓ 4x USB/ 2x mini-PCIe sockets/ 1x CF/ 2x RS232/ 422/ 485
- ✓ DDR3 1Gb/ 2.5" HDD bracket/ Two speakers
- ✓ Optional Wi-Fi Module/ 2.5" HDD/ VGA splitter/ Panel mount kit
- ✓ VESA mount compliance



The MPPC 3220T is available in 32" 16:9 LCD size with resolutions up to 1920x1080 (Full HD) and industrial motherboard making it the perfect „signage ready" Panel PC solution for self service/kiosk and interactive digital signage players. The SAW touch screen enhances user interaction to offer improved customer services.

## Open frame panel PC

NEXCOM OPPC series (15" , 17")

The NEXCOM fanless Open Frame Panel PCs (OPPC) adopt a bezel-less display and offer a design flexibility without any limitations. Customers are also provided with various innovative mounting options, including an open frame mount from both rear and front sides. OPPCs have ultra slim appearances and can be easily integrated into a custom enclosure. As a result, OPPCs are ideal for space critical applications. OPPCs target at vertical market segments, inclusive of ATMs and vending machines in transportation stations and entertainment venues.



**NEXCOM**

## MULTI TOUCH KIOSK PANEL PC

**NEXCOM**



### NEXCOM KPPC 1552/5852

- ✓ 15" 4:3 XGA (1024 x 768) TFT LCD panel
- ✓ Projected capacitive true flat touch screen
- ✓ Intel® Atom™ D525 1.8GHz / Pentium B950/ Core™ i3/ i5/ i7 Processor
- ✓ 2.5" removable SATA HDD
- ✓ 4x RS232, 4x USB 2.0, 1x DB-25 printer port,
- ✓ VGA output, 1x GbE LAN, 1x RJ-11 support two cash drawers
- ✓ Front bezel compliant with IP-65 protection standard
- ✓ VESA mounting for wall-mount application



The KPPC 5852 is a multi-functional and Powerful Kiosk Panel PC, transcending various market applications from Health Care, Gaming and Industrial. It has a State of the art 15" touch screen with Projected Capacitive Multi-Touch Technology from Japan. Borderless (True Flat Surface) design combined with its Solid IP65 Water and Dust proof making it a perfect engine for any Kiosk Applications.

## Infotainment Multi-Touch Panel Solutions

### AAEON ACP series: 15.6" , 18.5" , 21.5"

- ✓ Onboard Intel Dual Core Atom D510, 1.66 GHz
- ✓ Fanless operation
- ✓ TFT-LCD with Projected Capacitive Multi-Touch (Windows7)
- ✓ Anti-scratch front bezel: 7H(hardness)
- ✓ Dual GbE LAN
- ✓ 1x RS-232 ,1x RS-232/422/485, 6x USB2.0, 1x VGA
- ✓ 2.5 SATA HDD / CF
- ✓ Expansion slot: 2x mini card
- ✓ RFID / smart card / VOIP / MSR / CCD / Scanner (option)
- ✓ IP-65/ NEMA4 for plastic front bezel, IPX1 for plastic chassis
- ✓ Operating temperature: 0 ~ 45°C
- ✓ High shock & vibration resistance
- ✓ VESA Mounting

AAEON®



## MULTI-PURPOSE & WATER-PROOF SOLUTIONS

AAEON®



### AAEON FOX series: 8.4" , 12.1" , 15"

- ✓ Intel Atom N270 1.6 GHz Processor
- ✓ 1x GbE LAN
- ✓ Water-Proof I/O Port: 1x RS-232, 1x RS-232/422/485, 2x USB2.0
- ✓ Storage: SSD/CF
- ✓ Sealed aluminum alloy chassis
- ✓ Input Range: 9 ~ 30V DC
- ✓ Operating temperature: -20 ~ 55°C
- ✓ High shock & vibration resistance
- ✓ TFT LCD with resistive touchscreen
- ✓ Sunlight readable solution
- ✓ Anti-Fog design: Bonding
- ✓ All sides of IP-65/67 certificated, IEC 60945 ed.4

Available also waterproof rugged touch panels AAEON AHP2122 (12") with dual Core Atom D525, AHP2153 (15") with Dual Core Atom D2550, AHP2176 (17") with Intel Celeron847E. All of them have wide operating temperature from -20 to 60°C and 9 ~30VDC input voltage.

## INDUSTRIAL TOUCH DISPLAYS

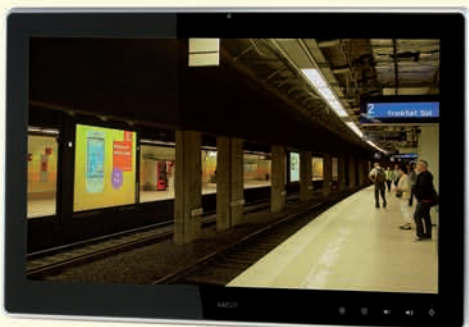
### AAEON AGD series: 12" 15" 17"

- ✓ TFT LCD with resistive touchscreen
- ✓ IP-65/ NEMA4 for aluminum die cast front bezel & steel chassis
- ✓ VESA mounting kit
- ✓ Input signal: VGA/DVI
- ✓ RS-232/ mini-USB (For T/S)
- ✓ Operating temperature: 0 ~ 50°C
- ✓ 9 ~ 30V DC input
- ✓ High shock & vibration resistance



AAEON®

AAEON®



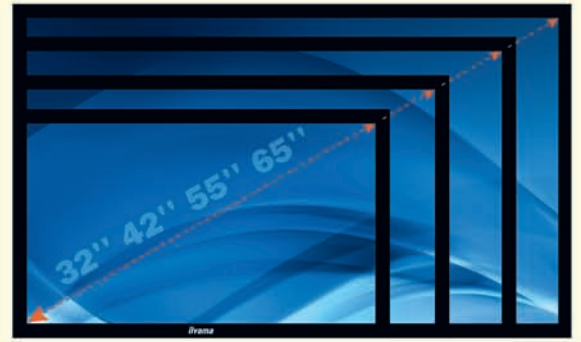
### AAEON ACD series: 15" , 18.5" , 21.5"

- ✓ TFT-LCD with Projected Capacitive Multi-Touch (Windows7)
- ✓ Anti-scratch front bezel
- ✓ IP-65/ NEMA4 for plastic front bezel, IPX1 for plastic chassis
- ✓ VESA mounting kit
- ✓ Input signal: VGA/DVI
- ✓ 2x USB,1x Mini-USB (for T/S),1x line-out,2x 2W speaker
- ✓ Operating temperature: 0 ~ 40°C
- ✓ High shock & vibration resistance

## Iiyama Large Format Displays with Touchscreens 32", 42", 55", 65"



- ✓ MVA/IPS panel technology with Full HD resolution
- ✓ Projective Capacitive or Optical Touch Technology
- ✓ Durable and professional design / full metal structure
- ✓ Fanless design eliminates noise and reduce dust contamination
- ✓ Great viewing angles & exceptional color clarity
- ✓ Built-in speakers & ambient light sensor
- ✓ Support PIP and PBP functions
- ✓ Wide range of video and audio inputs
- ✓ VESA mounting & Remote control
- ✓ Special space at the rear for mounting a small multimedia player
- ✓ Compatible with NEXCOM NDIS125-L/B322/126/127/166/167 media players



Iiyama large format displays are the ideal solution for Interactive Digital Signage, Instore Retail, Kiosks, Gaming, Interactive Presentations, Education etc.

For consumer market Iiyama produces 15-24" monitors equipped with resistive, capacitive or SAW touchscreens. Multi-touch feature, IP54 front and scratch resistance glass are also available. Business line has special mounting kit for VESA compatible media players.

## EMBEDDED BOARDS



- ✓ Cost-effective reliable mini-ITX boards from ASROCK based on newest Intel Atom/i3/i5/i7 and AMD processors. They are built from 100% Japan-made high-quality Conductive Polymer Capacitors.



Various form factor Single Board Computers from NEXCOM & AAEON:

- ✓ 3.5", 5.25", PICMG, PC/104, EPIC, microATX, miniATX, ATX, RISC-based, Full Size, Half Size etc.
- ✓ Computers on modules : COM express, ETX etc.
- ✓ Extended Temperature Boards

## SUNLIGHT READABLE LCD



Sunlight Readable LCD!

Total Display Solution Provider

Core Technology - sunlight readable LCD



**CCFL Backlight LCD**

- ALF series
- ALH series



**Resizing LCD**

- SSO series
- SSD series



**LED Backlight LCD**

- DLF series
- DLH series



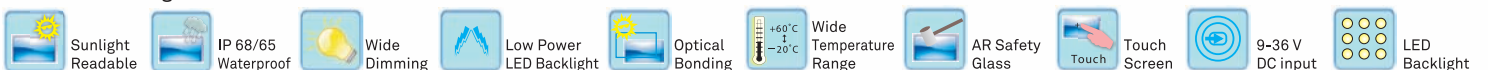
**Passive Enhancement LCD**

- OLF series
- OLH series



- Solution Business**
- SLO series
  - SLD series
- Component Business**
- AD Board
  - Inverter Board
  - LED Driving Board
  - Smart Module Board (SMB)
  - Power Board

Core Technologies:



-  Bulgaria@microdis.net
-  Croatia@microdis.net
-  Czech@microdis.net
-  Estonia@microdis.net
-  Hungary@microdis.net
-  Latvia@microdis.net
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BRIGHTTEK  
SEOUL SEMICONDUCTOR  
STANLEY ELECTRIC  
VISHAY  
TAIWAN SEMICONDUCTOR  
ISOCOM

GPS/Glonass, GSM, UMTS/HSPA/CDMA modules, antennas  
GSM, UMTS modules  
RF ISM, Bluetooth, ZigBee modules and transceivers  
OEM modules: Bluetooth, ISDN  
RFID systems and transponders  
GPS, Glonass, Iridium antennas  
industrial computers and panels  
mini-ITX industrial boards  
industrial computers and panels  
Large Format Displays  
reed switches, sensors and relays  
SIM-Holders, memory card connectors, USB connectors  
military, medical and industrial connectors  
signal connectors  
automotive and white goods connectors  
UL/CSA/DIN certified, customized industrial cables  
terminal block connectors - screw, spring and pins  
crystals, oscillators, filters and sensors  
switches, encoders, potentiometers and printers  
heatsinks, connectors, 19" and case technology  
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LEDs - power, full color, 230AC  
LEDs, LED modules  
passive components and semiconductors  
semiconductor devices  
optocouplers, optoswitches

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Currently the Microdis Group employs over 100 people, with a large number of electronic engineers, mostly involved in sales and marketing.

As a company with an extensive experience in the distribution of electronic components, and a logistics center in Germany for many years, we are able to offer almost any product from a wide variety of electronic components. We offer also the production of cable harnesses and programming of crystal oscillators for a customised frequency. Cooperation with a catalogue distributor provides fast deliveries (2 days) of a wide range of catalogue products.

We have certificates of quality management DIN EN ISO 9001:2008 for the distribution of electronic components.

EN v.1.1

**GSM/UMTS**

**GPS**

**LED**

**Embedded**

**Passive**

**Semicon**

**Electromech**

