

Digital Signage
Fanless Box PCs
Panel PCs
Embedded Boards
Displays
Industrial Wireless

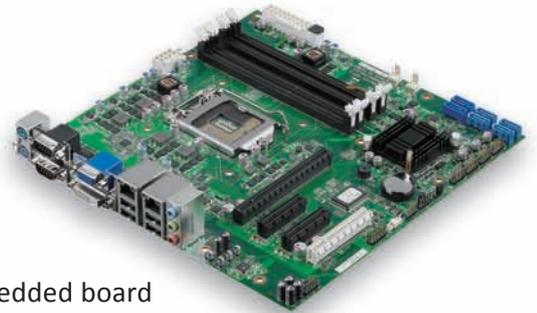


INDUSTRIAL COMPUTERS AS THE BEST CHOICE

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 computers 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, company with solid, 22 years of experience in industrial computing, focused on 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 B324, NDIS126, NDISM324 are cost-effective Digital Signage players capable of playing high resolution video.

NEXCOM NDIS B324

Main Features:

- ✓ Intel Celeron J1800 2.41Ghz
- ✓ Intel HD graphics support Full HD video
- ✓ Dual independent display
- ✓ 1x VGA and 1x HDMI Output
- ✓ 3x USB 2.0 & 1x USB 3.0
- ✓ 1x GbE LAN & 1x COM port
- ✓ Fanless and compact design
- ✓ Optional WLAN Kit with external antenna



The NDIS B324 powered by the new Intel J1800 processor (formerly codenamed „Bay Trail“) can handle very rich multimedia contents. To allow fast content update, the B324 incorporates the industrial-leading USB 3.0 as standard. Support for a diverse variety of OS options including open resource Linux and Microsoft's Windows®, allows users to select between Windows 7 and even Windows 8.

NEXCOM



NEXCOM NDIS 126

Main Features:

- ✓ Intel® Atom™ processor D2550
- ✓ 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

NDIS 126 provides various options of video and audio outputs, SIM Card slot with optional WLAN / 3.5G connectivity. This design makes the NDIS 126 an ideal choice for digital signage platforms adapted to almost any environment.

NEXCOM NDIS M324

Main Features:

- ✓ Intel Celeron J1900 Quad Core 2.0GHz
- ✓ Integrated Intel® Gen. 7 graphic
- ✓ Compliant with Open Pluggable Standard (OPS)
- ✓ 1x HDMI & 1x GbE LAN
- ✓ 3x USB 3.0 & 1x USB 2.0
- ✓ External accessible disk slot
- ✓ Fanless and compact design
- ✓ Optional TV Tuner / WLAN / 3.5G Kit with external antenna



NDIS M324 follows the electrical and mechanical specifications of the Open Pluggable Specification. The computer can be plugged into any OPS-compliant display devices to render rich multimedia contents. Thanks to the modular and cable-less design, NDIS M324 satisfies the need of quick deployment and hassle-free maintenance of large digital signage networks. Taking advantage of the latest Intel technology, it can accelerate 3D rendering, image processing and video decoding to provide highly personalized information based on the result of audience measurement to deliver accurate marketing message to target audience.

High performance Full HD Players

NEXCOM NDiS 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
- ✓ Compliant with Open Pluggable Standard (OPS)
- ✓ Up to 8Gb RAM Memory
- ✓ 3.5G / WLAN / TV Tuner support
- ✓ One 2.5" HDD bay
- ✓ HDMI, DP, USB 3.0, GbE LAN



Positioned as a network player, M532 has extended remote management to hardware level. Combining Intel® Active Management Technology and Consumer Electronics Control function (CEC), 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.



NEXCOM NDiS B533

Main Features:

- ✓ the superb technology of Intel® 4th generation Core™ i3 / i5 / i7 CPU
- ✓ Intel® HD4600 graphics engine and Q87 chipset
- ✓ Intel® AMT 9.0 / vPro™ Technology
- ✓ Triple independent Full HD Video Playback
- ✓ 3x HDMI, Enhanced 4K x 2K video output
- ✓ 4x USB 3.0, 2x RS232, Dual GbE LAN
- ✓ 2x mini-PCIe for TV tuner, WLAN, GSM 3.5G module



The NDiS B533 provides a 15% increase in its computing performance and a 30% increase in its graphic performance compared with the last generation NDiS players. The NDiS B533 has a variety of functions, including driving three large displays in 4K Ultra HD resolution, 3D gaming graphics, live video chat, anonymous video analysis, and intelligent interaction. Combining Intel® Active Management Technology 9.0 (Intel® AMT), it can be remotely powered on/off, monitored, and controlled over network, keeping player management simple and maximizing player uptime.

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 that require to render high quality contents over multiple displays. It is especially suitable for video wall, security control room, digital menu board, and corporate reception.

AUTOMATION INDUSTRY COMPUTERS

Low Power, compact sizes controllers

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 NISE 105

Main Features:

- ✓ On-board Intel® Atom™ E3826 CPU, 1.46 GHz
- ✓ HDMI & DVI-I supports dual independent display function
- ✓ 2 x USB2.0 & 1x USB3.0, Dual GbE
- ✓ 4 x RS232 / 422 / 485 , jumper free setting
- ✓ 1 x mini-PCIe socket (support optional Wi-Fi, 3.5G or automation module)
- ✓ External CFast socket, SIM card & RTC battery holder
- ✓ 9 ~ 30V DC power input
- ✓ -20 ~ 70°C extended operating temperature
- ✓ Supports ATX Power Mode, WoL, LAN Teaming and PXE Function

The NISE105 offers excellent performance per watt, dual full HD 1080p capability, rich connectivity interfaces and high reliability, even operating in extreme temperature. It's designed for easy installation and maintenance. This compact fanless computer can fulfill needs of various factory automation applications ranging from data acquisition server for big data analytics to high-level PC-based automation controller.

Applications

Communications control, Industrial automation, Machinery computer, Self-service computer, Kiosk computer, Ticket machine, Transportation control system, M2M server, vision inspection.

Power-efficient and extended temperature platform

NEXCOM NISE 2200/2300

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
- ✓ Support optional Fieldbus module kit (f.e. PROFIBUS, ProfiNET, DeviceNET, EtherCAT, Ethernet IP master module and others)



Equipped with diverse Hilscher fieldbus interfaces, NEXCOM NISE series computers are compatible with programmable logic controllers (PLCs) from several well-known suppliers. 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 fanless NISE2200/2300 series 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 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
- ✓ Support optional Fieldbus module kit (f.e. PROFIBUS, ProfiNET, DeviceNET, EtherCAT, Ethernet IP master module and others)

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 can fulfill any graphic intensive or computing oriented applications, even wide operating temperature and vibration.

MULTI-PURPOSE SOLUTIONS

Slim embedded controller

AAEON AEC-6401

Main Features:

- ✓ World's Slimmest Fanless Boxer, 20mm thickness
- ✓ Intel® Atom™ N2600 1.6GHz
- ✓ Many I/O ports: 4x USB, GbE LAN, 1x RS232 & 2x RS232/422/485
- ✓ HDMI Display
- ✓ Anti-drop Power Connector Design
- ✓ Aluminum Enclosure
- ✓ Optional Wi-fi module
- ✓ VESA / Din Rail Mounting



AAEON introduces the slimmest product in the Boxer series. So far no other boxer PC can be so tiny and slim like AEC-6401, not even Pico-ITX system. With this small form factor customers can fit it almost everywhere, and it provides quite a lot of I/O ports for basic applications. AEC-6401 adopts fanless design for high reliability to fit in most rugged environment. It's suitable as Automation Controller or in Digital Signage applications.

Extremely wide operating temperature controller



AAEON AEC-6523

Main Features:

- ✓ Intel® Atom™ N2600 Processor
- ✓ Fanless Operating System
- ✓ COM x 4, USB2.0 x 4, GbE LAN x2
- ✓ 2.5" SATA HDD and CFAST slot
- ✓ VGA video output
- ✓ 9 ~ 30V DC power input
- ✓ Wide Operating Temperature Range: -40 ~ 75°C
- ✓ DIN-RAIL / VESA / Wall Mount Kit



Marine computer

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 nTUF600/610 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. 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. It is one tough marine computer for fishing vessels, recreational boats, merchant marine, workboats, and sailing yachts.

MOBILE INDUSTRIAL COMPUTERS

NEXCOM VTC100

Main Features:

- ✓ Compact and Fanless Design
- ✓ ARM® Cortex™-A8 720MHz CPU with WEC7 / Linux OS preinstalled
- ✓ Built-in CAN Bus & GPS receiver with optional Dead reckoning function
- ✓ mini-PCIe for 3.5G module
- ✓ 2x RS232, 2x USB 2.0, 1x GbE LAN, GPIO
- ✓ Wide Range DC power input: 9 ~ 36V DC
- ✓ Operating temperatures: -20 ~ 70°C
- ✓ Smart Power Management with Ignition On/Off Delay
- ✓ High vibration and shock resistant according to MIL-STD-810G



This mini ARM-based vehicle terminal can run telematics applications on 8 watts of power and boot in 10 seconds. VTC 100 car PC is designed for the transportation segment, especially for the vehicle with limited space to house the computer system. It adopts SAE J1939/ J1708 CAN bus protocols to vehicle data acquisition and allows for data exchange over Bluetooth, Wi-Fi and 3.5G network. VTC 100 in-vehicle computer is the best choice as the cost effective solution for your vehicle application.

NEXCOM VTC1010

Main Features:

- ✓ Intel® Atom™ processor E3827, 1.75GHz
- ✓ Dual SIM card slots
- ✓ Built-in U-blox 6 GPS, optional Dead Reckoning support
- ✓ Built-in CAN bus, Optional OBDII function
- ✓ 4x mini-PCIe expansion (for WLAN, 3.5G, BT)
- ✓ Wake on RTC/ SMS via WWAN module
- ✓ High vibration and shock resistant according to MIL-STD-810G
- ✓ Built-in G-sensor, Gyroscope, and e-Compass sensors
- ✓ Operating temperature: -30 ~ 70°C
- ✓ Wide Range DC power input: 9 ~ 36V DC
- ✓ E13 certification



The VTC 1010 supports Intel® Atom™ E3815 or E3827 processors, which offer significant improvements in computing performance as well as graphics and media capabilities with integrated Intel® Gen 7 Graphics. The system-on-chip (SoC) architecture of the processors allows VTC 1010 to achieve a fanless design with wide operating temperature of -30 to 70 degrees Celsius and a compact form factor for use in harsh vehicle environments. GPS dead-reckoning function allows fleet operators to track vehicles in tunnels or areas where satellite signals are blocked. It also supports two-way voice communication and event button function to provide emergency voice communications and alerts for drivers, enabling control centers to respond instantly to urgent situations and take appropriate actions.



NEXCOM VTC7100-C8SK/7110-C4SK/7120-C4SK

Main Features:

- ✓ Intel® Atom™ D2550 1.86GHz / Celeron 847E 1,1GHz / i7 2610UE 1.5GHz CPU
- ✓ Variety wireless communication options (3.5G / WLAN / BT)
- ✓ Smarter ignition power on/off, delay-time and low voltage protection
- ✓ 9 ~ 36V DC power input
- ✓ Operating temperature: -30 ~ 55°C
- ✓ VGA & LVDS output
- ✓ Support two SIM card slots
- ✓ 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



VTC7100-C8SK is equipped with 8 channels of Power over Ethernet, what makes this platform ideal for mobile surveillance applications. Devices supporting 802.3af protocol, such as high resolution IP cameras, can directly connect to computer with just one Ethernet cable. Moreover the computer features isolated RS-232, RS-422/485 interfaces and CAN bus protocol SAE J1939/1708. VTC 7100/7110 eliminates problems caused by inrush current/voltage, establishes reliable vehicular communication network and facilitates monitoring of vehicle subsystem. This ruggedized mobile computer guarantees high performance in challenging mobile environments and is suitable for use in police patrol cars, fire engines, ambulances, public transportation and more.

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 ~ 60°C



VMC 3000/3500, 10.4" 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. VMC3000/3500 is extremely rugged, the aluminum enclosure compliant with IP65 is designed against vibration, dust, moisture and chemical impacts.

Rugged train PC

AAEON AEV-6356

Main Features:

- ✓ Intel Core i7-3517UE or Celeron 827E Onboard
- ✓ Fanless design, Easy maintenance
- ✓ 1 x DVI-I and VGA output
- ✓ 2x mini-PCIe for Wireless Communication Options (WLAN, GSM 3.5G, GPS)
- ✓ Rugged M12 Connector for LAN/ Serial/ USB/ Power
- ✓ Isolation RS-232/422/485 and GPIO
- ✓ 17 ~ 75V DC input with isolated protection
- ✓ Operating temperature: -40 ~ 70°C
- ✓ High vibration and shock resistant
- ✓ Certified by EN50155

AAEON®



The AEV-6356 is a standalone high performance controller designed for long-life operation and with high reliability in railway environment. All the computer features follows the EN50155 Tx standard.

Rugged tablet PC

7" Rugged Tablet PC with Touch Screen & keyboard

NEXCOM MRC1000/1100

Main Features:

- ✓ 7" WVGA TFT LCD with LED backlight
- ✓ Intel® Atom™ Z530 1.6GHz processor
- ✓ Full QWERTY keyboard with number pad
- ✓ Built-in fingerprint reader for data security
- ✓ Variety wireless communication options (3.5G, WLAN, BT, GPS)
- ✓ Optional Integrated 2D barcode scanner and MSR module
- ✓ Supports hot swappable extended battery pack
- ✓ Compliance with IP65 and MIL-STD-810F

NEXCOM



MRC 1100, powerful rugged tablet PC, features 7-inch WVGA TFT LCD with the daylight readable solution and low power processor. Its ergonomic design with a full QWERTY keyboard allows easy operation for mobile workers. More accessible I/O interfaces can be extended via the docking station.

AAEON®

AAEON RTC-700/900

Main Features:

- ✓ NVIDIA® TEGRA™ 2 1.0GHz Dual Core Processor
- ✓ High brightness 7" /10" WXGA (1280 x 800) TFT LCD
- ✓ Projected Capacitive Multi-Touch screen (Gorilla glass)
- ✓ 16GB eMMC Flash
- ✓ 5M Pixel Rear Camera, 1.2M Pixel Front Camera
- ✓ Wireless connectivity WLAN/ 3.5G/ Bluetooth
- ✓ Integrated GPS receiver, G-sensor, 3-axis gyroscope. E-compass
- ✓ IP65 compliance for dust and water protection
- ✓ Operating temperature: -20 ~ 60°C
- ✓ Compliant with MIL-STD-810G from vibration



This rugged tablet PC utilizes the Android Operating System to maximize your software options. RTC-700/900 supports high performance and low power consumption NVIDIA® processor. The high capacity battery provides about 12 hours running time for operator usage during the whole working day. The compact size and light weight brings tremendous mobility to any application. The latest design has scratchproof LCD and protection against shock, vibration, water and dust.

INDUSTRIAL PANEL PCs

Ultra-slim 7" /10.1" panel PC

AAEON ACP-1073/1103

Main Features:

- ✓ Intel Atom N2600 Processor
- ✓ Many I/O ports: 4x USB, GbE LAN, 1x RS232 & 2x RS232/422/485
- ✓ Wide Screen with Projected Capacitive Multi-touch
- ✓ Anti-Scratch Surface : 7H Surface
- ✓ Thickness: 13mm LCD + Touch, And 20mm Chassis
- ✓ Fanless System & Aluminum Design
- ✓ IP65 Compliant True Flat Screen
- ✓ Optional WLAN module
- ✓ VESA / Panel Mount

AAEON®



The ACP-1103 has very slim and attractive design. It adopts 350 nits TFT display with 1280x800 resolution. This model supports two-point Multi-Touch function (Windows 7), full flat design is easy to clean. Moreover, front bezel is IP-65/NEMA4 for water-proof protection. ACP-1103 featured 7H hardness Anti-Scratch Surface to avoid accidental damage.

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

NEXCOM fanless Panel PC adopts an all-in-one concept that integrates a single board computer, LED display, and 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 highly integrated, network-ready computer with exceptional I/O connectivity. The industrial graded machinery computer from NEXCOM is designed for use in harsh environments where shock, vibration and resistance are an issue.



NEXCOM APPC1530/32T

Main Features:

- ✓ 4:3 15" 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 12 ~ 30V DC
- ✓ Support optional Fieldbus module kit (f.e. PROFIBUS, ProfiNET, DeviceNET, EtherCAT, Ethernet IP master module and others)

Equipped with diverse Hilscher fieldbus interfaces, NEXCOM Fieldbus Panel PCs are compatible with programmable logic controllers (PLCs) from several well-known suppliers. 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.

NEXCOM IPPC1960T

Main Features:

- ✓ 4:3 19" SXGA Fanless Panel Computer
- ✓ Powerful 2nd/ 3rd generation Intel® Core™ processor
- ✓ Two expansion slots for add-on PCI / xPCIe cards
- ✓ 3-6x Coms, GPIO, DIO, Dimming Control Button
- ✓ Optional 3.5G / Wi-Fi module
- ✓ Front accessible USB 2.0 for easy of field maintenance
- ✓ Metal housing with robust aluminum front bezel for harsh environment
- ✓ IP66 compliant front panel
- ✓ 9-30V DC power input



IPPC 1960TP2E-DC is a heavy industrial panel PC equipped with powerful 2nd/ 3rd generation Intel® Core™ processor, TFT LCD panel with LED backlight and user-friendly touch screen. It provides two expansion slots to support EtherCat, PROFINET, Modbus/ TCP modules. With the same cut-out size as SIMATIC Panel PC, the NEXCOM IPPC 1960T offers premium features and saves costs.

Infotainment Multi-Touch Panel Solutions

NEXCOM Multi-Media Panel PC incorporates a 16:9 LCD touch screen panel, making perfect solution for interactive digital signage players, self-service and Kiosk applications. It has modular architecture and fanless thermal operation, plus low power consumption.



NEXCOM MPPC2130P

Main Features:

- ✓ 16:9 21.5" Fanless Panel Computer
- ✓ Intel® Atom™ D2550, Dual Core, Low Consumption CPU
- ✓ Multi-touch Projected Capacitive Touchscreen
- ✓ Dual GbE, 2nd display VGA or HDMI, Line-in, Line-out, MIC-in
- ✓ 4x USB, 2x mini-PCIe sockets, 1x CFast, 2x RS232/422/485
- ✓ DDR3 2GB, 2.5" HDD Bracket, Two Speakers
- ✓ Optional 3.5G / Wi-Fi Module / Panel Mount Kit
- ✓ Wide range power input: 12 ~30V DC

MPPC 2130P, features a durable multi-touch screen to provide reliable controls needed for high-traffic areas, and offer responsive touch experiences to engage users in public environments. Combined with a zero-bezel, edge-to-edge glass display, the panel PC is intuitive to use, resistant to scratch (7H hardness) and simple to clean, making it easier to maintain a high level of hygiene for the general public. With additional support for VGA or HDMI output, the MPPC 2130P is an ideal solution for dual-screen kiosks, dual-sided digital signage or POS / POI applications, and saves the cost of adding another panel PC or box computer to run two Full HD displays. In addition, to ensure optimum viewing under varying lighting conditions, the MPPC 2130P includes dedicated buttons for adjusting the backlight.

WATER-PROOF SOLUTIONS

AAEON is the first company in the IPC industry to release a waterproof stainless steel embedded controller with an IP67 certification. The wide operating temperature enables the AEC-6511/AFP series to be placed outdoors. They are designed to be durable, using the highest grade stainless steel type 316L enclosure with polished surface for easy cleaning and maintenance and offer protection against extreme vibration and shock, dust accumulation and corrosive acid and alkaline.

AAEON AEC-6511

Main Features:

- ✓ Intel® Atom™ N270 1.6 GHz Processor
- ✓ 2.5" SATA HDD / CF
- ✓ GbE LAN, 2x USB2.0, 2x COM
- ✓ Mini PCI for WLAN expansion
- ✓ Water, Dust & Corrosion Proof
- ✓ Stainless Steel Chassis with Water Proof M12 Connectors
- ✓ Anti-Shock & Vibration Structure
- ✓ Washable IP-67 Water Proof Protection
- ✓ Operating Temperature: -20 ~ 55°C



AAEON AFP series: 12.1" , 15"

Main Features:

- ✓ Intel Atom D525 / D2550 1.8GHz Processor
- ✓ Water-Proof M12 connectors
- ✓ 1x RS232, 1x RS232/422/485, 2x USB2.0, GbE LAN
- ✓ 9 ~ 30V DC power input with isolation protection
- ✓ Operating Temperature: -20 ~ 50°C
- ✓ High shock and vibration resistance
- ✓ TFT LCD with resistive Touchscreen
- ✓ IP66 / NEMA4x Compliant Stainless Type 316L System
- ✓ Anti-Scratch Touch Screen: 7H

Power input protection mechanism with over-voltage protection, low-voltage protection and reverse protection make the systems more reliable. This waterproof solutions are ideal for chemical and food industry applications.

INDUSTRIAL TOUCH DISPLAYS

NEXCOM APPD series 4:3 12", 15", 17", 19"

Main Features:

- ✓ IP65 compliant plastic front bezel with flush panel
- ✓ 5-wire resistive touchscreen
- ✓ Video input: analog VGA and DVI-D
- ✓ Dual touch interface: RS-232/USB
- ✓ Ultra slim depth
- ✓ Multi-language OSD function
- ✓ Operating Temperature: -5 ~ 50°C
- ✓ 12 ~ 24V DC power input
- ✓ VESA / panel mount
- ✓ High shock and vibration resistance



The APPD series has an IP65 flush front panel, which can keep water and dust off the surface. The ease of clean feature can help users meet hygiene standards that food, beverage, chemical, pharmaceutical and biotechnology industries are obliged to observe. Thinner than 55mm, the industrial touch monitors can be fitted into most environments and used for sophisticated HMI visualization. They are the best solution for NEXCOM NISE fanless computer, NVIS security surveillance series and APPC panel PC when a second display is required.

INDUSTRIAL WIRELESS SOLUTIONS

NEXCOM Industrial Wi-Fi is specially designed to support mesh and fast roaming functions, which can enhance long range wireless coverage and mobility connectivity. The Industrial Wi-Fi offers a wide range of products in versatile deployments from light duty to heavy industrial applications.



NEXCOM IWF5210 Main Features:

- ✓ IEEE802.11 a/b/g/n for transmission rate up to 300Mbps
- ✓ Multiple operating mode: AP/ Repeater/ CPE mode (client gateway)
- ✓ IP68 rated metal housing with -25 ~ +70°C operating temperature
- ✓ Gigabit Ethernet with uplink port powered with standard IEEE 802.3af PoE
- ✓ Venting window with Teflon membrane for balancing air pressure
- ✓ Comprehensive security encryption with WEP, WPA/WPA2, IEEE 802.1X or PSK
- ✓ Layer-2 Wireless Firewall gives protection from wireless attacks
- ✓ Multiple Virtual APs for grouping policy management
- ✓ Tunnel-based AP management by backend AP control

Its rugged metal housing is weatherproof, pressure balancing, water-tight and rust-resistant, making it an ideal solution for deployments in harsh conditions, such as outdoor or industrial environments.

LARGE FORMAT DISPLAYS WITH TOUCHSCREEN

32", 42", 46", 47", 55", 65"

Main Features:

- ✓ AMVA3 / MVA / IPS panel technology with Full HD resolution
- ✓ Projective Capacitive, Infrared or Optical Multi-Touch Technology with up to 6 compatible points
- ✓ Durable and professional design / full metal structure
- ✓ Fanless design eliminates noise and reduce dust contamination
- ✓ Operating time 24h/7 (in some models)
- ✓ 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 NDIS126/127/166/167 media players
- ✓ Expansion slot for Open Pluggable computers f.e. NEXCOM NDISM324,M532.



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 15-27" 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 & 3.5" boards from ASROCK are based on the latest Intel Atom/Celeron/i3/i5/i7 and AMD processors. High-quality, Japan-made, Conductive Polymer Capacitors are used to reach appx. 5 Years product lifetime.



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



Total Display Solution Provider

Core Technology - sunlight readable LCD



ABT
CCFL Backlight LCD
• ALF series
• ALH series



Spanpixel
Resizing LCD
• SSO series
• SSD series



Durapixel
LED Backlight LCD
• DLF series
• DLH series



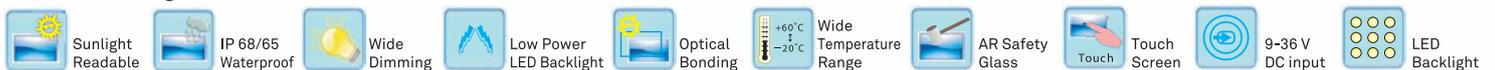
AOT
Passive Enhancement LCD
• OLF series
• OLH series



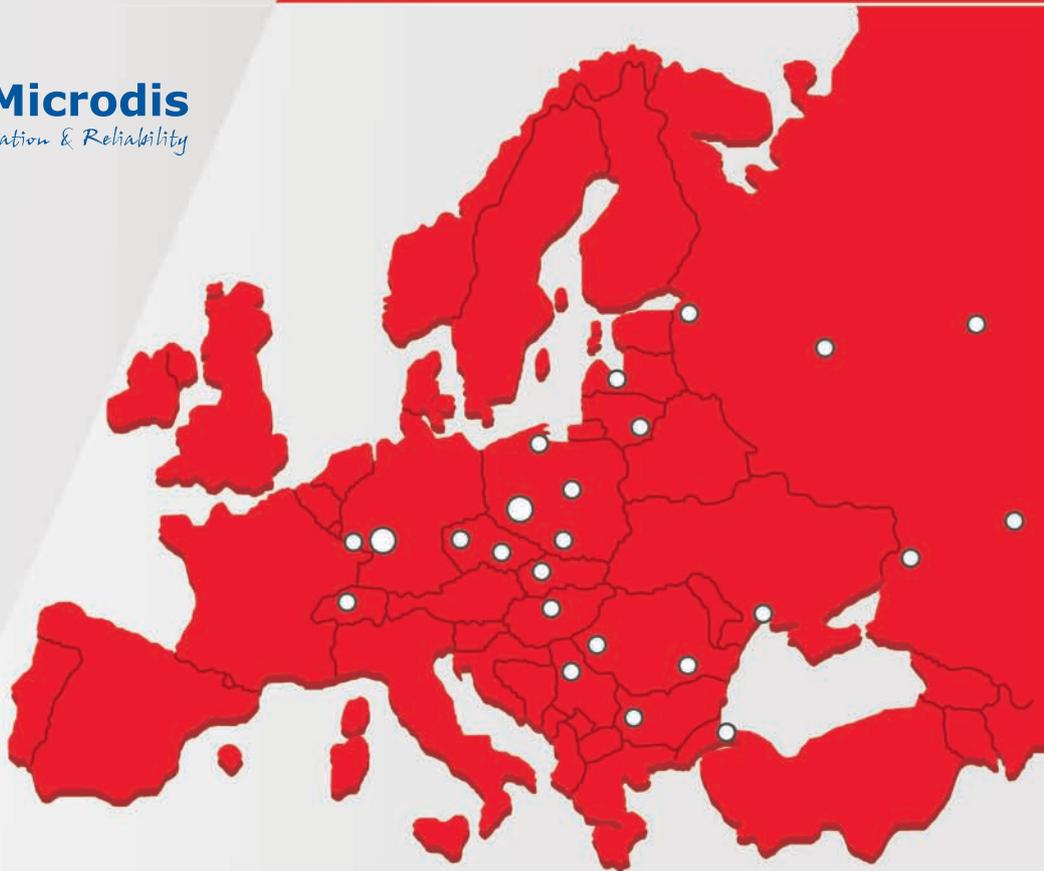
Platform
Solution Business
• SLO series
• SLD series

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
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-  Hungary@microdis.net
-  Latvia@microdis.net
-  Lithuania@microdis.net
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VISHAY
TAIWAN SEMICONDUCTOR
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GPS/Glonass, GSM, UMTS/HSPA/CDMA/LTE 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
machines and systems for wire crimping
crystals, oscillators, filters and sensors
switches, encoders, potentiometers and printers
heatsinks, connectors, 19" and case technology
Power, THT and chip LEDs and LED modules
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.1.2

