



INDUSTRIAL COMPUTING SOLUTIONS

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

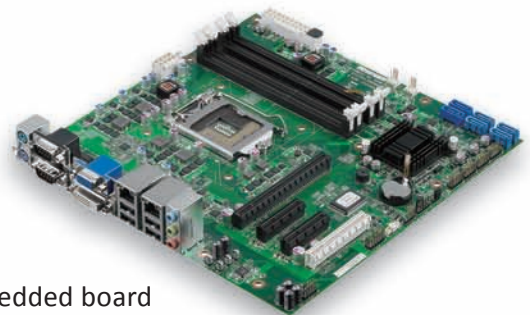


INDUSTRIAL COMPUTERS AS THE BEST CHOICE

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. This is company with 23 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 is looking for a way to maximize return on investment and lower total ownership cost. NEXCOM NDiSB114, NDiSB324, NDiSM324, are cost-effective digital signage players capable of playing high resolution video.

NEXCOM NDiS B114

Main Features:

- ✓ Freescale i.MX6Quad, 4x ARM® Cortex®-A9 core 1.2GHz
- ✓ Integrated Vivante 3D GPU IP Cores
- ✓ 1G RAM, 8G SD storage default
- ✓ Full HD encode & decode engine
- ✓ 1x HDMI Output (Max 1920 x 1200)
- ✓ 4x USB 2.0 & 1x GbE LAN
- ✓ 1x COM port
- ✓ Fanless and compact design
- ✓ Optional WLAN Kit with external antenna



Powered by ARM® Cortex®-A9 RISC MPU, NDiS B114 can play rich multi-media contents with low power consumption. It's compatible with ANDROID 4.3 and Ubuntu 12.04 OS.



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

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 M533

Main Features:

- ✓ 4th generation Intel® Core™ i3/i5/i7 processor
- ✓ Intel® HD Graphics 4600 with DirectX 11 support
- ✓ Support for Intel® AMT 9.0 / vPro™ Technology
- ✓ Compliant with Open Pluggable Standard (OPS)

- ✓ 3.5G / WLAN support
- ✓ One 2.5" HDD bay
- ✓ 1x HDMI, 4x USB 3.0, 1x GbE LAN, 1x RS232



With availability to playback 4K Ultra HD content NDiS M533 brings premium graphics capability, improved system responsiveness, convenient remote manageability, and abundant peripheral expansion into the OPS form factor. It can benefit education, retail and enterprise segments.



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 size controllers

NEXCOM NIO 100 - IoT gateway

Main Features:

- ✓ Onboard Intel® Quark processor X1021 single core 400MHz
- ✓ 1G RAM Memory, 4G eMMC storage default
- ✓ Wind River® / Yocto operating system and McAfee® security software solutions
- ✓ 2x 10/100 Fast Ethernet ports, 2x USB2.0, 1x RS232/485 selectable, DIO4x4
- ✓ 1x / 2x mini-PCIe socket for optional Wi-Fi / 3.5G / 4G LTE / fieldbus module
- ✓ 9 ~ 36V DC power input
- ✓ -20 ~ 70°C extended operating temperature
- ✓ Wall and DIN-Rail Mounting (optional)



NEXCOM latest NIO series provides seamless interconnection and secured data transmission from edge devices to the cloud. NIO 100, designed as an IoT (Internet of Things) gateway for cloud application specifically focused in industrial field, collects sensor data via RS232/485/DIO and transmitting data to cloud by 3G, Wi-Fi or Ethernet. Combining the support for diverse communication and extended operating temperature, NIO 100 series offers flexible use in manufacturing, industrial, environmental monitoring, home and building automation applications.



NEXCOM NIFE 100 - IoT controller with fieldbus expansion

Main Features:

- ✓ On-board Intel® Atom™ dual core E3826 1.46 GHz
- ✓ Support NVRAM 1Mb
- ✓ DVI-I video output, 1x USB2.0 & 1x USB3.0, Dual GbE
- ✓ 2x RS232/422/485 with 2.5KV isolation protection
- ✓ 1x mini-PCIe socket for optional Wi-Fi / 3.5G / 4G LTE / Fieldbus modules
- ✓ External CFast socket, SIM card & RTC battery holder
- ✓ 24V DC power input with optional 1KV isolation protection
- ✓ -20 ~ 70°C extended operating temperature
- ✓ Supports WoL, LAN Teaming and PXE Function

The PC-based controller NIFE 100 is designed to operate under tough factory conditions. The built-in 128KB of NVRAM can ensure the data is saved in case of sudden power outage. To enable cross-protocol communication, the computer supports seven fieldbus protocols, including PROFINET, PROFIBUS, EtherNet/IP, DeviceNet, EtherCAT, CANopen, and Modbus. An internet connection is also available. As a result, the NIFE 100 series can integrate PLCs, remote I/Os, and legacy field devices using different protocols and across different control subsystems and take field data to the cloud to enable big data analytics. NIFE 100 is definitely the top choice for M2M intelligent system as a factory automation controller and gateway.

NEXCOM NISE 105

Main Features:

- ✓ On-board Intel® Atom™ dual core E3826 1.46 GHz / quad core E3845 1.91GHz
- ✓ 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 the 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 2200/2300/2400

Main Features:

- ✓ Intel® Atom™ Dual Core D2550 1.86 GHz / E3827 1.75GHz
- ✓ 6x USB2.0, 2x / 4x GbE LAN
- ✓ DVI-I + HDMI / DVI-D supports dual independent display function
- ✓ 2x RS232 and 2x / 4x RS232/422/485 with isolated protection
- ✓ 1x external CFast Socket and one external SIM card holder
- ✓ 9 ~ 36V DC power input
- ✓ 1x / 2x PCI / 1x PCIe Expansion slot as option
- ✓ 1x / 2x Mini-PCIe socket for optional mSATA / Wi-Fi / 4G LTE / 3.5G
- ✓ -20 ~ 70°C wide operating temperature
- ✓ Support optional Fieldbus module kit in version NIFE2310 (PROFIBUS / ProfiNET / DeviceNET / EtherCAT / Ethernet IP master module and others)

The NISE2200 is equipped with 6x COMs. To mitigate the effects of voltage fluctuation and electrical noises, it provides isolation protection on COM ports by default. The fanless NISE2200/2300/2400 series 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
 - ✓ -20 ~ 60°C wide operating temperature (NISE 3640)
 - ✓ 2x / 4x GbE LAN, 4x USB3.0, 2x USB2.0
 - ✓ VGA + DVI-D + 2x DP with triple Independent Display function
 - ✓ External CFast socket and SIM card holder
 - ✓ 5x RS232 and 1x RS232/422/485
 - ✓ 1x mini-PCIe socket for 3.5G / WLAN
 - ✓ 9 ~ 30V DC power input
- ✓ Expansion slots: up to 2x PCI / 2x PCIe4 as option
 - ✓ Optional Dual HDD kit
 - ✓ Support ATX power mode and WoL and PXE function
 - ✓ Aluminum Chassis with fanless design
 - ✓ Support optional Fieldbus module kit in version NISE3720 (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 fulfill any graphic intensive or computing oriented applications, even when wide operating temperature and vibration may exist.

NEXCOM NISE 300 - Fieldbus concentrator

Main Features:

- ✓ User-Friendly Front I/O Design
- ✓ Onboard 4th gen. Intel® Core™ i5 CPU
- ✓ 4x USB 2.0/3.0, 2x RS232/422/485, 2x GbE LAN
- ✓ 2x / 4x mini-PCIe for Fieldbus / LAN / COM expansion
- ✓ 2x mini-PCIe socket for 3.5G / WLAN / mSATA
- ✓ 1x CFast & 2x 2.5" SATA
- ✓ 9 ~ 30V DC power input
- ✓ Easy Replacement for RTC Battery
- ✓ Support ATX Power Mode, WoL, LAN Teaming & PXE Function



The fieldbus concentrator NISE 300 is designed to break down the long standing barrier to data sharing. Featuring six mini-PCIe slots, the NISE 300 can be configured to collect data from PLCs, distributed I/Os, and remote I/Os using proprietary protocols including PROFINET and PROFIBUS from Siemens, EtherNet/IP and DeviceNet from Allen-Bradley, and EtherCAT from Beckhoff. Combining the functions of data saver and communication gateway, the NISE 300 allows devices and equipment with different protocols to correspond with each other. All I/O interfaces are at the front panel and it makes the system much easier to use and to expand the functionalities. Its mechanical design also fits with 2U 19" rack-mount dimension.

MULTI-PURPOSE SOLUTIONS

Slim embedded controller

AAEON AEC-6401

Main Features:

- ✓ World 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. 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.

MOBILE INDUSTRIAL COMPUTERS

NEXCOM VTC 100

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 vehicles 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 VTC7200 /7210/7220 – high performance telematics computer



Main Features:

- ✓ Intel® 4th gen. dual core i3/i5/i7
- ✓ Variety of wireless communication options (3.5G, LTE / WLAN / BT)
- ✓ Support 3x SIM card slots + dual WWAN
- ✓ Smart Power Management with Ignition On/Off Delay, Low Voltage Protection
- ✓ 9 ~ 36V DC power input
- ✓ -30 ~ 55°C operating temperature
- ✓ VGA & DP video output
- ✓ Rugged fanless design to meet MIL standard
- ✓ Dual externally accessible SATA3.0 SSD/HDD and CFAST storage
- ✓ Built-in U-blox UBX-G6010 GPS, optional Dead Reckoning support
- ✓ Optional CAN 2.0B with optional OBDII function (SAE J1939/J1708)
- ✓ Optional battery backup kit & IP65 protection kit
- ✓ Optional 7"/8" monitor with Touchscreen
- ✓ Optional 4 channels capture cards



VTC 7200/7210/7220 features powerful new generation Intel® Core™ processors. Its CPU performance gives the users the ability to adapt to what they need in any telematics applications. Its Intel® HD graphics 5000 engine allows users to fully take advantage of VTC 7200 to achieve smooth, seamless and stunning graphic performance on 2 different video outputs (VGA, DP). Users can easily download or upload the data on other devices by just removing the storage devices from VTC 7200. With dual SIM card support, VTC 7200 allows three SIM cards backup each other for a better connectivity quality by software. In addition, three SIM cards + dual WWAN modules architecture can increase the bandwidth for a faster data transfer speed. Not only data transmission, VTC 7200 also supports two-way voice communication. Equipped with intelligent power management, VTC 7200 can be waked on by ignition, RTC timer or SMS/Ring remotely.



NEXCOM VES30-4S/8S - In-vehicle PoE switch

Main Features:

- ✓ Fanless
- ✓ 4/8 x 10/100/1000 Mbps PoE port (802.3af compliance)
- ✓ 15.4W at 48VDC for each PoE port
- ✓ Low battery voltage protection
- ✓ CE/FCC, E13 mark certification
- ✓ 9 ~ 36V DC power input
- ✓ -30 ~ 70°C operating temperature
- ✓ Ignition power On/Off support
- ✓ Power On/Off delay time setting



VES30-4/8S mobile PoE switch is designed for telematics applications in harsh environments. It provides 8x PoE ports to transfer large amounts of video streaming, voice and critical data across Ethernet network smoothly and quickly. VES30-4/8S is encased in a fanless dustproof enclosure and can operate under shock, vibration, and extreme temperature. The mobile PoE switches are also small in size and support din rail mounting for ease of installation with other devices such as IP cameras and Wi-Fi access points.

Vehicle Mount computer

NEXCOM VMC 3000/3500

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 of 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

NEXCOM nROK 5300/5500



Main Features:

- ✓ High performance Intel® Core™ i5/i7 CPU
- ✓ Fanless and rugged design
- ✓ Smart Power Management with Ignition On/Off Delay
- ✓ Support software base RAID 0/1/5/10
- ✓ Isolation RS-232/422/485 and GPIO (optional)
- ✓ 4x Removable 2.5" SSD tray
- ✓ 24/110VDC power input with isolated protection
- ✓ Optional 8x channels POE with IEEE802.3af
- ✓ Optional one PCI express x8 expansion slot
- ✓ Certified by EN50155



nROK series offers the powerful computing platform with rack mount form factor to install in the cabinet. It is packed with the 8x PoE LAN ports and multiple storage bays with SATA interface and RAID capability. I/O connections are securely fixed with locks, preventing system breakdown caused by loose ends. Wireless communication design is dedicated to supports GPS function, Wi-Fi and WWAN connection. nROK series is targeted for the rolling stock market with special design scheme to meet the criteria of installation in the vehicle on the rolling stock. They pass numerous environmental tests and are compliant EN50155 standard. Rapid transit system, metropolitan rail, commuter rail, high speed rail, tram, and train will make the best use of nROK.

Rugged tablet PC

7" Rugged Tablet PC with touchscreen & keyboard

NEXCOM MRC 1000/1100



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 of wireless communication options (3.5G, WLAN, BT, GPS)
- ✓ Optional integrated 2D barcode scanner and MSR module
- ✓ Optional rugged in-vehicle & desktop docking stations
- ✓ Compliance with IP65 and MIL-STD-810F



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



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. RTC-700/900 supports high performance and low power consumption NVIDIA® processor. The high capacity battery provides about 12 hours working 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 protect against shock, vibration, water and dust.

INDUSTRIAL PANEL PCs

Ultra-slim 7" / 10" panel PC

AAEON ACP-1073/1103

Main Features:

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



The ACP series has very slim and attractive design. They support two-point multi-touch function and easy to clean full flat design. Moreover, front bezel is IP-65/NEMA4 for water-proof protection and 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 APPC xx40T

Main Features:

- ✓ 4:3 8-19" Fanless LED Panel Computer
- ✓ Intel® Atom™ Dual Core E3826 1.46GHz / Quad Core J1900
- ✓ Flush Panel by 5-wire Touch Screen
- ✓ Dual GbE, 2nd display-VGA, Line-in, Line-out, MIC-in, PS2 KB/MS
- ✓ 3x USB, 2x Mini-PCIe sockets, 1x CFast socket,
- ✓ 2x RS232/422/485 / DIO with 2.5kV isolation
- ✓ Optional 3.5G / Wi-Fi module / GPIO
- ✓ IP65 Compliant Front Panel
- ✓ Mounting Support: Panel / Wall / Stand / VESA 100mm x 100mm
- ✓ Wide Range Power Input 12 ~ 30V DC
- ✓ Support optional Fieldbus module (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 IPPC xx60T

Main Features:

- ✓ 4:3 15", 19" and 16:9 21.5" Fanless Panel Computer
- ✓ Powerful 3rd generation Intel® Core™ i3/i5/i7 processor
- ✓ Resistive touchscreen in 4:3 ratio / Capacitive 10-points multi-touch in 16:9 ratio
- ✓ Two expansion slots for add-on PCI / xPCIe cards
- ✓ 3x / 6x Coms with 2.5kV isolation
- ✓ 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
- ✓ 9-30VDC / 230VAC power input
- ✓ Support fieldbus module, JMobile HMI, Citect SCADA and CODESYS SoftLogic (optional)



IPPC series is a heavy industrial panel PC equipped with powerful 3rd generation Intel® Core™ processor, TFT LCD panel with LED backlight and user-friendly touch screen. It provides two expansion slots to support PROFINET, PROFIBUS, DeviceNet, EtherNet/IP and EtherCAT modules. With the same cut-out size as SIMATIC Panel PC, the NEXCOM IPPC offers premium features with saves costs. It's ideal for use in oil and gas rig, wind farms, chemical factories, pharmaceutical factories, and hazardous working area.

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 a modular architecture and fanless thermal operation, plus low power consumption.



NEXCOM MPPC 2130P

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.

WATER-PROOF SOLUTIONS

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
- ✓ -20 ~ 50°C wide operating temperature
- ✓ High shock and vibration resistance
- ✓ TFT LCD with resistive Touchscreen
- ✓ IP66 / NEMA4x Compliant Stainless Type 316L System
- ✓ Anti-Scratch Touch Screen: 7H



AAEON

AAEON is the first company in the IPC industry to release a waterproof stainless steel embedded controller and panel PC with an IP67 certification. The wide operating temperature enables the 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, corrosive acid and alkaline. Power input protection mechanism with over-voltage protection, low-voltage protection and reverse protection make the systems more reliable. These 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



NEXCOM

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 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



NEXCOM IWF 5210

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

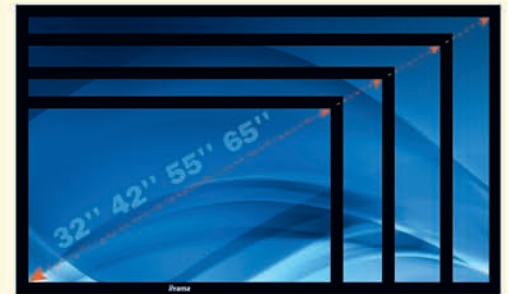
Its rugged metal housing is weatherproof, pressure balancing, water-tight and rust-resistant, making it an ideal solution for deployments in harsh conditions, such as outdoor or industrial environments.

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 10 compatible points
- ✓ Durable and professional design / full metal structure
- ✓ Open frame mounting for 17", 19", 21,5"
- ✓ IP65 front in 17", 19" size
- ✓ Fanless design eliminates noise and reduces dust contamination
- ✓ 24h/7 Operating time (in some models)
- ✓ Great viewing angles & exceptional color clarity
- ✓ Built-in speakers & ambient light sensor
- ✓ Wide range of video and audio inputs
- ✓ VESA mounting & Remote control
- ✓ Expansion slot for Open Pluggable computers
- ✓ Compatible with NEXCOM OPS players



Iiyama is a manufacturer of hi-end monitors for demanding users. Large format displays are the ideal solution for Interactive Digital Signage, Instore Retail, Kiosks, Gaming, Interactive Presentations, Education etc.

For consumer market Iiyama produces 15-30" monitors equipped with resistive, capacitive or SAW touchscreens. Multi-touch feature, IP54/65 front and scratch resistance glass are also available. Business line has a special mounting kit for VESA compatible media players.

EMBEDDED BOARDS



- ✓ Cost-effective reliable mini-ITX & 3.5" boards from ASROCK based on latest Intel Atom/Celeron/i3/i5/i7 and AMD processors
- ✓ Built from 100% Japan-made high-quality Conductive Polymer Capacitors
- ✓ Fanless design
- ✓ 24/7 operating time
- ✓ Min. 5 Years product availability



- ✓ 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



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

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

Core Technologies:

- Sunlight Readable
- IP 68/65 Waterproof
- Wide Dimming
- Low Power LED Backlight
- Optical Bonding
- Wide Temperature Range (+60°C to -20°C)
- AR Safety Glass
- Touch Screen
- 9-36 V DC input
- LED Backlight

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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
Hand tools for crimping, pneumatic presses
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.1.3

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