Express

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NEXCOM 20:
Turn Over A
New Leaf of Milestone

20th ANNIVERSARY

Clement Lin

Chairman & CEO
NEXCOM International Co., Ltd.

Dear Partners,

Thanks to all partners throughout the world, NEXCOM achieved record levels of shipments in July, and maintained 10% year to month growth in comparison with 2011. All this was achieved in spite of all the bad news in the global economic market. As I have previously mentioned, the IT trend is still clear and strong, especially in the mobile and cloud arena. This places huge demand on the supporting infrastructure which happens to be NEXCOM's strength.

When the so-called "Big Data" flows to and from the various Servers and the various Clients, it impacts on all devices in between, like the huge demand for the bandwidth, the computing power, the storage, the network management and security, etc. This "paradigm shift" from products now triggers the "paradigm shift" in the "digital infrastructure", which is why NEXCOM is "Building the Digital Infrastructure"!

After the Computex and GPC in early June, We held the first CPC---China Partners' Conference one week later. The 200 invited guests made this event a big success, which now makes NEXCOM one of the major IPC brands in China. The NEXCOM business momentum in China is getting stronger after this fruitful conference! On August 23, we also held another APC---Asian Partners' Conference in Singapore. Then in mid-September, we held our EPC in Italy.

Besides the GPC's, NEXCOM will also attend regional gatherings with our partners to address various local topics, like the typical applications, the suitable products, the special projects, and the different business engagement models. We continue to build NEXCOM as the world wide brand, region by region and have achieved exceptional progress so far. And you, my dear partners, can now fully leverage NEXCOM brand in order to approach new customers. To speed up the business engagement, all NEXCOM colleagues, from the PM, engineers, to BU GM, are ready to fly to any corner of the world to help you win the projects together.

As usual, in the 3rd quarter, we'll have many more new products available. To add more glory to our champion NISE family, we now have new NISE 2200/2300 series with Intel® Atom™ D2550 CPU, and the NISE 3600 flagship series for high end applications like Vision Inspection, Factory Automation, Machine Automation, etc. We'll have the complete line up of Panel PC family, now covering the MPPC, APPC, IPPC, OPPC series from 8" to 19" for applications in any environments. We'll have some new products in the connectivity infrastructure, like the Wi-Fi based Industrial Communications with network management solutions, and the connectivity appliances (access points, routers, and gateways) with various security S/W preloaded. For Mobile Computing, we now add the entry level VTC 100 based on SoC, and the top performer VTC 7110 series based on the 2nd generation Intel® Core™ family processors.

Even in today's "bad time", the demand is still strong if the product is right. Now that the mega trend is "paradigm shift", it means the demand on the new generation products will be fast growing. However, the demand on the old, even the current products is withering, or like "free fall" in some special cases. We believe NEXCOM is on the right track following the Mega Trend. Let's move on together toward the "Brave New IT World"!

Clement Lin

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About NEXCOM

NEXCOM offers a world-class range of industrial fanless computers, embedded computers, Panel PC, video analytic systems, POS, digital signage media players, rugged tablet PCs, in-vehicle computers, and network security appliances.

Good People, Good Culture, Good Company

Dear Readers

Yoi system as a leading industrial computing platform provider in Korea wants to offer reliable industrial rugged computers to major electronics manufacturers. Yoi system has incorporated NEXCOM products into its flag ship product line to meet the very robust quality and performance requirement from our major electronics manufacturers, particularly mobile phone manufacturers. Our industrial computers have enabled major Korean mobile phone manufacturers to lead the world mobile phone market. Our customer's production throughput is second to none.

In views of business needs, top ranking Korean mobile phone manufacturers like to minimize manufacturing tag time as much as possible. As smart phone are norm of mobile industry, software download time is critical factor to minimize production tag time in completing a unit of smart phone.

In the beginning, Yoi system had supplied industrial computers based on mother board type design. However, the initial design soon came across technical limits in accommodating peripheral options and allowable space given to each computer in manufacturing line. Yoi had contacted several solution suppliers in Taiwan to address these technical barriers. Most of them were not keen to listen to our request except NEXCOM as the business volume did not seem to be enough to cover such customization. NEXCOM seriously listened to us. Finally with enjoyment, Yoi system and NEXCOM jointly developed smart computing platform with customized backplane and NEXCOM's industry leading single board computers.

Now Yoi's platform can accommodate up to four independent computers in a traditional 4U chassis. The platform is now well accepted by major mobile phone manufacturers.

Yoi system is piloting the first multiple module based computing platform in Korea NEXCOM SBC products' line.

Yoi system has already experienced interest from other electronic manufacturers like components manufacturers like camera module by virtue of the proven platform to share our innovative solution in their unique environment like vision inspection.

Yoi system has been experiencing NEXCOM's enchanting support in pioneering new industrial computing platforms. This effort has been a great enabler for Yoi to be the most admired industrial computer provider in Korea. Yoi cherishes this experience and relation with NEXCOM and wish the cooperation to continue in the coming decades.

MyungKi Sung
President, Yoi System Co., Ltd.

Visit Us at METS,
the World's Largest Marine Leisure Trade Show!

METS, the world's largest trade exhibition of equipment, materials and systems for the international marine leisure industry, will take place at Amsterdam RAI from 13th to 15th November, 2012. In this trade show, NEXCOM will present its latest marine computers, nTUF series along with applied Panel PCs and digital signage systems. The selected models are ideal platforms to ensure that safety and infotainment in leisure marines is well managed.

Event Details

Date: November 13-15, 2012

Exhibition Hall: Hall 11 at Amsterdam RAI, the Netherland

Booth: 11.533

nTUF 600

A Dedicated Bridge and Control Room Computing Solution

NEXCOM fanless marine computer nTUF series is a dedicated bridge and control room computing solution for use on fishing boats, recreational vessels, work boats and yachts that sail in tough maritime working conditions. Since nTUF 600/ 610 is targeted at maritime applications, the mechanical and electrical design of the computer conforms to IEC60945, IACS-E10 and DNV 2.4 standards. Both the DC input and NMEA ports have isolation protection which ensures steady power delivery and signal transmission is free from noise interference.

Powered by Intel® Atom™ dual core processor D525, nTUF 600 delivers optimal computing performance with graphics capability and thermal dispassion. To counter the effects of shock and vibration, nTUF 600 employs a screw type connector for example screw terminal, NMEA, and M12 GbE connection. nTUF 610 powered by the 2nd generation Intel® Core™ i7-2610UE processor is packed with superb graphics and computing performance for multitasking environments. For reliable signal transmission, electronic wires are connected with sturdy bolted joints and therefore perform impeccably on the command bridge. Both mechanical designs of nTUF 600/ 610 makes for quick setup and easy maintenance.

NISE Fanless Computer Embedded
in Advanced Kiosks
Advocates a Greener Paris

NEXCOM fanless computer NISE 2100A were embedded in electronic car rental kiosks by the roadside to provide fast and convenient services to drivers in Paris and its outskirts. Summer or winter, rain or shine, these kiosks performed duties faithfully, complementing public transportation with a new mode of motoring.

By the roadside, two different kiosks took advantage of abundant I/O interfaces of versatile NISE 2100A to provide subscription and rental services respectively. In the subscription service station, the kiosk guided drivers through registration process by allowing advisors from calling center to videochat with drivers, scan identity documents, offer package plans on touch screen, accept bank card payments, and issue membership cards equipped with RFID tags.

The kiosk standing in the open air, on the other hand, helped drivers rent electronic cars. It could read RFID tags, ask password validation on touch screen, indicate assigned electronic cars, and offer prompt assistance from call center. By means of NEXCOM fanless computer, the service provider has successfully built up two types of multi-functional advanced kiosk that could get drivers behind the wheels within minutes and electronic cars returned to any station.

By installing these advanced kiosks, the service provider established the car rental service yet curtailed operating expenses in terms of utilities, office expenses, leasing commissions etc. Thanks to the fanless computer, these kiosks could work around the clock without maintenance and stop despite of road dust and outdoor humidity. More importantly, NISE 2100A designed to operate over a wide temperature range from -20℃~70℃ (-4℉~158℉) was able to function properly as seasons changed.

In this project, NEXCOM and its partner Atemation helped with verification of peripheral devices, ensuring these kiosks were properly configured to carry out all intended functions. Combing fanless computer NISE 2100A, technology supports, and quality service from NEXCOM and Atemation, the service provider swiftly set up a service network comprised of hundreds of kiosks in Paris and 45 adjoining towns in six month's time.

In next few months, more NISE 2100A- embedded kiosks will be installed in more than a thousand service stations with the aim to provide an alternative to public transportation for millions of residents and tourists in need to commute between the megacity of Paris and the suburbs. Through the proliferation of the car rental service network, the value of NISE 2100A as a fanless computer intended for embedded applications is truly manifested.

NISE 2100A

Rises the Intel® Xeon® Processor E5-2600 Family
on the Verge of Network Traffic Explosion

On the verge of network traffic explosion, NEXCOM has developed network security hardware NSA 7120B/ 7120R to help servers battle against the increasing complexity and volume of network communication. NSA 7120B/ 7120R optimizes computing resource allocation, reduces I/O latency, tightens network security, and preserves data intact by means of both hardware acceleration and new algorithms. NSA 7120B/7120R is therefore the ideal network security hardware to accommodate to computing-intensive, high bandwidth and data-critical network applications.

Based on Intel® Xeon® processor E5-2600 family, NSA 7120B/ 7120B supports dual processor configuration. Each processor has eight cores and 20MB cache. Together with 384GB DDR3 1600 DIMM memory, 2 channels of 8.0 GT/s QPI, and Intel® technologies, these platforms can effectively regulate computing resources to optimize multi-thread network processing and halve instruction execution time.

As network traffic explodes, NSA 7120B/ 7120R supports up to forty 1Gb ports, PCIe 3.0 interface, and Intel® Integrated I/O to make data smoothly flow. By moving data between peripherals and the processor faster with shorter routes, I/O latency is reduced to better manage overwhelming network workloads.

The network security must be strengthened in line with the network communication boom. NSA 7120B/ 7120R applied Intel® AES-NI to data breach protection. Intel® AES-NI not only accelerates AES encryption and decryption but also increases the number of secure sessions NSA 7120B can handle at the same time.

In addition, NSA 7120R, as a variant of NSA 7120B, provides further protection for data loss. In NSA 7120R, RAID functions are offloaded to a discrete RAID controller. It helps NSA 7120R maintain high read/write rate and faulty tolerance for data-critical applications while reserving computing resources for where they are needed most.

Intel® Xeon® Processor E5-2600 Family at a Glance

Improved performance- The Intel® Xeon® processor E5-2600 family supports more CPU cores, larger cache and greater system memory and can therefore achieve 68% performance gain compared with the last generation Xeon® processors.

Enhanced security- Intel® AES New Instruction (AES-NI) reduces code size, execution cycle, and vulnerability to side channel attack. It can therefore accelerate data encryption and decryption without causing performance penalty.

Reduced I/O latency- The Intel® Xeon® processor E5-2600 family is merged with I/O controller and integrated with the latest industrial standard PCIe 3.0. Along with the Intel® Data Direct I/O, the feature providing dedicated cache for I/O while bypassing system memory, the processors is able to increase data throughput while reducing I/O latency.

16 Upcoming New Products in Q4

IPPC 1960T
19" Heavy Industrial Panel PC

IPPC 1960T 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. The NEMA4/ IP66 rated heavy-duty aluminum front bezel and the vibration-resistant rugged chassis are specifically designed for outdoor and harsh industrial environments. IPPC 1960T has the same cutout size as SIMATIC Panel PC and can easily replace it to provide better performance. IPPC 1960T is ideal for use in oil and gas rig, wind farms, chemical factories, pharmaceutical factories, and hazardous working areas.

- 4:3 19" SXGA fanless panel computer with 2nd/ 3rd generation Intel® Core™ processor
- Metal housing with robust aluminum front bezel for harsh environment
- Two expansion slots for add-on PCI or/ and PCIe cards
- Front accessible USB2.0 for ease of field maintenance
- IP66 compliant front panel

IPPC 1960T

ICES 667/ 668/ 268
COM Express Type 6/ Type 2 Solutions Powered by 3rd Gen. Intel® Core™ i7/ i5/ i3

NEXCOM is offering three COM Express Basic modules based on 3rd generation Intel® Core™ processors integrated with Intel® HD Graphics 4000.

ICES 667/ 668

Type 6 ICES 668 features BPG-type processors paired with Mobile Intel® QM77 Express Chipset. This module supports from dual-core i3-3217UE to quad-core i7-3615QE processor and up to 16GB DDR3 1333/1600MHz SDRAM with ECC function.

Type 6 ICES 667 features PGA-type processors paired with mobile Intel® QM77 Express Chipset. It supports up to quad-core Intel® Core™ i7-3610QE processor and 16GB non-ECC memory. Meanwhile, ICES 667H, a variant paired with Mobile Intel® HM76 Express Chipset is available for budget-sensitive projects.

The two Type 6 Basic modules support DirectX 11, three displays and the latest industrial standard interfaces, including USB 3.0, SATA 3.0 and PCIe 3.0.

ICES 268

Type 2 ICES 268 features PGA-type processors paired with mobile Intel® QM77 Express Chipset. It supports up to quad-core Intel® Core™ i7-3610QE processor and 16GB non-ECC memory. Meanwhile, ICES 268H, a variant paired with Mobile Intel® HM76 Express Chipset is also available.

ICES 268 extends the support for existing Type 2 COM Express systems, for which legacy IDE and PCI interfaces are still key success factors for applications.

NEXCOM is offering Starter Kit to help users immediately assess the COM Express module and the full set of I/O functions and therefore quickly come up with design modifications. The Starter Kit includes a COM Express Basic module, a reference carrier board, 4GB system memory, bootable CFast SSD, trial version of Microsoft Windows® 7 and 10.4" LCD panel.

ICES 667　　　**ICES 668**

ICES 668 Starter Kit

	ICES 668	ICES 667	ICES 268
COM Express Type	Type 6, Basic 95x125mm	Type 6, Basic 95x125mm	Type 2, Basic 95x125mm
Processors	BGA type onboard i7-3615QE/ i7-3612QE i7-3555LE/ i7-3517UE i5-3610ME/ i3-3217UE	PGA type socket i7-3610QE i5-3610ME Celeron® B810	PGA type socket i7-3610QE i5-3610ME Celeron® B810
PCH Chipset	QM77	QM77 (option HM76)	QM77 (option HM76)
Memory, 2x SO-DIMMs	ECC-DDR3 up to 16GB	DDR3 up to 16GB	DDR3 up to 16GB
LVDS	Dual Channels	Dual Channels	Dual Channels
VGA	1	1	1
Digital Display Interfaces	3x DDI (1x DP/ HDMI/ DVI/ SDVO, 2x DP/ HDMI/ DVI)	3x DDI (1x DP/ HDMI/ DVI/ SDVO, 2x DP/ HDMI/ DVI)	No
Networking	GbE (PCIe)	GbE (PCIe)	GbE (PCIe)
PCI/ IDE	No	No	PCI (v2.3)/ Yes
PCI Express	7x PCIex1, 1x Plex16	7x PCIex1, 1x Plex16	6x PCIex1, 1x PCIex16
USB 2.0/ 3.0	8/ 4	8/ 4	8/ 0
SATA 2.0/ 3.0	4/ 2	4/ 2	4/ 0
Operating Temperature	-15°C to +60°C	-15°C to +60°C	-15°C to +60°C
CRB, Carrier	ICEB8060 (Type 6)	ICEB8060 (Type 6)	ICEB8050C (Type 2)
ICES Starter- Kit Type 2/ Type 6	ICEK668-T6 Available Now	ICEK667-T6 Available Oct. 2012	ICEK268-T2 Available Nov. 2012

NISE Seires

Multi-Port GbE Solution, New NISE Family Constructs a Solid Foundation for the Connected Factory

The rise of "Internet of Thing" (IoT) is continuously fueling the boom in "Ethernet-based communication." From automation to intelligent transportation, Ethernet-base solutions aggressively demand multiple Ethernet ports of fanless platforms.

In this regards, NEXCOM fanless computers feature scalable computing performance, ranging from Intel® Atom™ to Core™ i7 processor family, and are packed with up to six GbE LAN ports. In addition, NEXCOM provides tech support and customization service, offering a wide range of options, including embedded OS, Real-Time OS, various industrial Ethernet protocols, such as EtherCAT, PROFINET, Modbus/ TCP, etc. and wide power input range to help partners well prepared for the increasingly connected world.

NISE 2200/ Atom™ D2550

NISE 2200 featuring Intel® Atom™ dual core D2550 processor has impressive graphics and computing performance. NISE 2200 offers a wide selection of I/O interfaces, including 2x RS-232/422/485 with isolated protection, 2x RS232/422/485, 2x RS232, 6x USB 2.0, 2x GbE LAN, 1x DVI-D and 1x HDMI. In addition, NISE 2200 supports a wide range of DC input, from 9V to 36V, and a wide range of operating temperature, from -20℃ to 70℃.

NISE 2200 / 2300
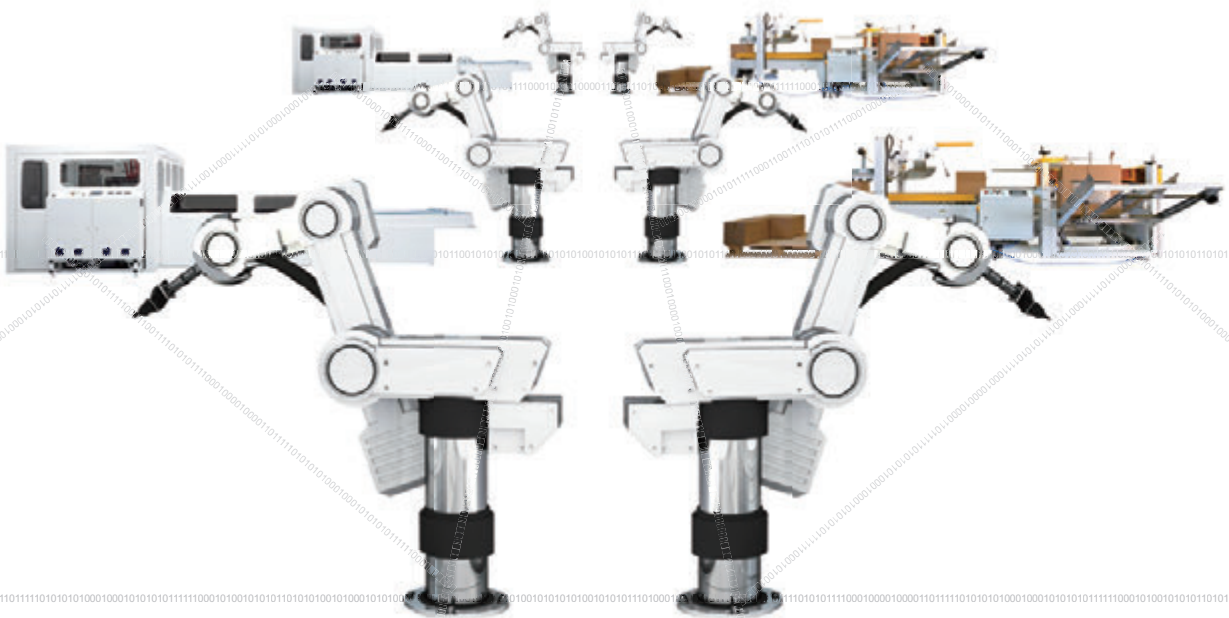
NISE 2300/ Atom™ D2550

Powered by Intel® Atom™ dual core D2550 processor, NISE 2300 is designed for Ethernet-based communication applications. NISE 2300 has 4x LAN ports and supports WoL and LAN teaming functions.

The fanless computer also provides 6x USB2.0, 1x DVI-I, 1x DVI-D, 2x RS232/422/485 w/ isolated protection and 2x RS232/422/485. Similar to NISE 2200, a wide range of 9~36VDC input and -20°C to 70°C operating temperature are supported by NISE 2300.

NISE 3640/ Core™ i7-3517UE, 17W

NISE 3640 supports 3rd generation Intel® Core™ i7-3517UE and i3-3217UE processors, both with low power consumption of 17W. NISE 3640 has excellent graphics performance and can simultaneously drive three independent displays.

NISE 3640 offers 4x GbE LAN, 2x DisplayPort, 1x VGA, 1x DVI-D, 2x USB3.0, 2x USB2.0, 2x RS232/422/485 and 4x RS232 ports. With support for wide operating temperature range from -20°C to 70°C, NISE 3640 is an ideal fanless computer aimed at high-quality medical imaging processing and multiport GbE Ethernet-based automation applications.

NISE 3660/ Core™ i7-3517UE, 17W

Based on Intel® Core™ i7-3517UE processor with 17W TDP, NISE 3660 features six GbE LAN ports and can fulfill the demands of high-volume data communication. Applications of NISE 3660 include intelligent transportation solution, high-end factory automation, video surveillance and Ethernet-base automation.

	NISE 2200	NISE 2300	NISE 3640	NISE 3660
CPU	Atom™ D2550	Atom™ D2550	Core™ i7-3517UE(17W) Core™ i3-3217UE(17W)	Core™ i7-3517UE(17W)
Chipset	ICH10R	ICH10R	QM77	QM77
Memory	2x DDR3 up to 4G	2x DDR3 up to 4G	2x DDR3 up to 8G	2x DDR3 up to 8G
USB	6	6	2x USB3.0 2x USB2.0	2x USB3.0 2x USB2.0
LAN	2	4	4	6
# of Display	2	2	3	3
Display	DVI-I HDMI	DVI-I DVI-D	2x DP + VGA or 2x DP + DVI-D	2x DP + VGA or 2x DP + DVI-D
COM	2x RS232/422/485 w/ isolation rotection 2x RS232/422/485 2x RS232	2x RS232/422/485 w/ isolation rotection 2x RS232/422/485	2x RS232/422/485 4x RS232	2x RS232/422/485
GPIO	1	1	NA	NA
Power Input	9-36VDC	9-36VDC	24VDC±10%	24VDC±10%
Mini-PCIe	Wi-Fi/ 3.5G (Auto detect)	Wi-Fi/ 3.5G (Auto detect)	Wi-Fi/ 3.5G (Auto detect)	Wi-Fi/ 3.5G (Auto detect)
Others	CFast and SIM card holder	CFast and SIM card holder	CFast and SIM card holder	CFast and SIM card holder

NViS 2280
Mobil NVR Speeds up Video Transmission with Gigabit PoE

NViS 2280 is a rugged mobile NVR system powered by Intel® Atom™ D2550 processor. It can support recording on 16 channels of megapixel IP cameras with up to 2TB (1TBx2) of two 2.5" hot-swappable HDD tray. It features full HD video playback on dual local display by VGA and HDMI for high resolution video surveillance with higher bandwidth

Gigabit PoE ports for up to 61.6W of total power output (802.3af compliant). The NViS 2280 offers 3G/ 3.5G/ Wi-Fi, GPS, and Bluetooth, building an environment that is supportive to intricate network with different range of coverage.

In accordance with MIL-STD-810F 514.5 C3 standards, NViS 2280 is resistant to high levels of vibration. Additionally, NViS 2280 features an event recording mode when the built-in G sensor detects unusual vehicle movements. The platform has a wide range of power input options from 9V to 36V and optional power ignition is offered to address power issue in vehicle.

NViS 2280

- In-vehicle mobile NVR surveillance system
- Intel® Atom™ D2550 Dual Core 1.86GHz processor
- Diversity wireless communication (WWAN/ WLAN/ BT/ GPS)
- MIL-STD-810F 514.5 C3 composite wheeled vehicle verified
- Four Gigabit PoE ports

NViS 3542H
PoE Integrated NViS 3542 Series Excels at Mobile Hybrid DVR

NEXCOM PoE-integrated NViS 3542H series consolidate mobile Hybrid DVR with surveillance capability, vehicular functionality and system reliability. The NViS 3542H series supports real-time playback and recording; it feature a hybrid DVR solution that can support up to 8 channels of both IP and analog cameras through PoE ports and optional video capture card.

Based on the Intel® Core™ i7/i5 processor, the PoE-integrated NViS 3542H series supports high bandwidth GbE LAN, PoE interface, GPS communication, WAN/ WLAN connectivity, and dual HDD trays. The NViS 3542H is designed for hash environment, certified MIL-STD-

810F-514.5 C3 resistance, power ignition and 9~30V DC input. This ruggedized mobile Hybrid DVR 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.

- Hybrid solution for both IP and Analog camera
- Capable for 120FPS @ 1080P preview and recording
- Wide vehicle power input from 9V to 30V, optional power ignition module
- Support variety communication module, like WWAN, WLAN and GPS
- Optional anti-vibration kit for tough environment

NViS 3542H

VTC 100
Mini Smart Telematics Computer

VTC 100 is designed for the transportation applications, especially for the vehicles with limited space and power budget in the harsh environment with extreme temperatures. VTC 100 is powered by ARM® Cortex™- A8 processor. As with all other products in the VTC series, VTC 100 has an integrated GPS receiver and the smart power management features that make it ideal for in-vehicle operation. It also has an built-in CAN receiver as default and provides the option to support SAE J1939 or J1708. Furthermore, it reserves the ability for wireless communication including Bluetooth, Wi-Fi, and 3.5G.

VTC 100 is the open system in terms of operating system. The support of Windows® Embedded Compact 7 OS and Linux enables flexible application software development. VTC 100 is the best choice for entry-level telematics applications.

VTC 100

- TI AM3352 ARM® Cortex™-A8 processor with 600MHz frequency
- Built-in GPS with A-GPS support
- Optional various wireless communication (WLAN/ BT/ WWAN)
- Smart ignition power on/off and power management design
- Wide range DC power input 9V~36V
- Built-in CAN bus V2.0b; optional support for J1939/J1708
- Wide operating temperature -20°C~70°C
- Operating system support WEC7 and Linux 3.1 driver

VTC 7100
In-Vehicle Computer with Flexible Expansion

VTC 7100, a member of new generation of VTC 7 series, is equipped with Intel® Atom™ D2550 processor. Like other products in the VTC range, VTC 7100 has expandable design which enables users to add the optional features based on their application and requirement. With a multitude of attractive options VTC 7100 supports CAN bus SAE J1939 or J1708. The general features in the base model include dual Ethernet ports, dual SIM slots, accessible storage interface, wake on RTC, wake on SMS, accelerometer and smart power management. VTC 7100 is housed in the same rugged enclosure as previous generations of VTC and therefore product upgrade is relatively straightforward.

- Rugged fanless design
- Built-in Intel® Atom™ D2550 processor 1.86GHz
- Optional CAN Bus in support of SAE J1939 or J1708
- Dual SIM slots available
- Wake on RTC / SMS
- Optional variety wireless communication (WLAN/ BT/ WWAN)
- Rich expansion capability
- Wide range DC power input (9~36V)
- Smart ignition power on/off and power management

VTC 7100

NDiS M422

New Media Player Combines OPS and AMD G-Series Processor for Rich Media Playback

NDiS M422 is specifically designed to be compliant with OPS (Open Pluggable Specification). NDiS M422 is based on AMD Fusion platform and features G-series T56N processor for rich media playback. The OPS architecture is perfect for digital signage applications and enables fast and easy installation, minimizing maintenance and upgrade costs. NDiS M422 provides excellent graphics performance, full HD content playback, and dual display capabilities. NDiS M422 features slide-in 2.5" SATA disk, serial port, second display output in HDMI, on board expansion for WWAN/ WLAN/ TV tuner to fulfill the general application requirement of digital signage.

- AMD G-series T56N 1.65GHz Dual Core APU
- Integrated AMD Radeon™ HD6320 GPU
- Designed compliant with open pluggable standard
- Supports HDMI, DP, UART, and USB2.0 via JAE 80-pin connector
- TV tuner/ WLAN/ WWAN support
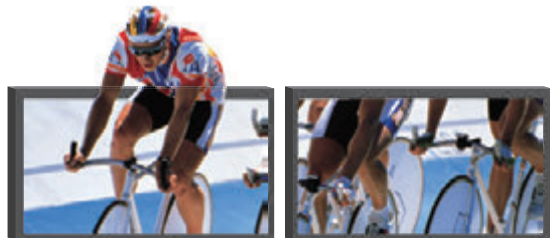
NDiS M422

NDiS B862

Economical Solution for 6-Screen Display Video Wall Signage

NDiS B862 is an economically feasible solution for multi-screen display deployments. Powered by the latest AMD Embedded R-series APU integrated with Radeon™ HD 7000 Graphics engine, NDiS B862 supports DirectX® 11 and provides accelerated yet power-efficient graphics processing performance and video encoding features. Plus discrete AMD Radeon™ E6760 GPU, NDiS B862 is capable of supporting six display outputs through HDMI or DVI. Together with AMD Eyefinity technology, NDiS B862 is

able to stretch high definition contents across six displays. The player is therefore perfect for a wide range of multi-screen digital signage deployments within entertainment, hospitality, healthcare, retail and education.

- AMD embedded R-series APU
- AMD Radeon™ E6760 GPU
- Six-output video wall
- Dual GbE LAN and USB3.0 support
- WWAN/ WLAN and TV tuner support

NSA 2120
Ensures Faster and Securer Network Communication

The network security hardware NSA 2120 is powered by Intel® Xeon® E3-1125C/1105C, Intel® Core™ i3-2115C, Pentium® B915C and Celeron® 725C platform which consolidate application, control processing and packet processing. Taking advantage of the workload consolidation, NSA 2120 accelerates the performance of network security applications such as VPN, firewalls, and IDP/IDS and therefore ensures faster and securer network communication.

In addition, NSA 2120 has LAN density of eight and supports one PCIe x8 expansion slot. It is an easy and economic way, for both software providers and system integrators, to rapidly scale up the network in line with the internet traffic boom. NSA 2120 comes in a smaller form factor at a cost-effective price, which is partly due to the Intel's next generation communication platform, Crystal Forest-Gladden.

· 1U rackmount network platform
· Intel® Xeon® E3-1125C/1105C, Intel® Core™ i3-2115C, Pentium® B915C and Celeron® 725C platform
· 2 DDR3 1333/1600 memory, up to 16GB
· 8x GbE copper/fiber LAN ports
· Support one PCIe x8 expansion slot
· Internal one 3.5" HDD bay/ two 2.5" HDD bay (optional)
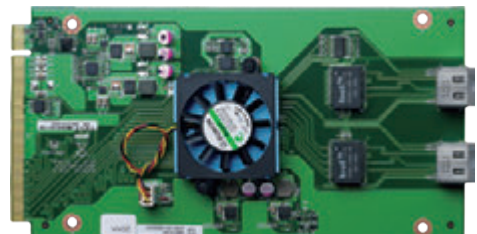· 1 CFast card (optional)
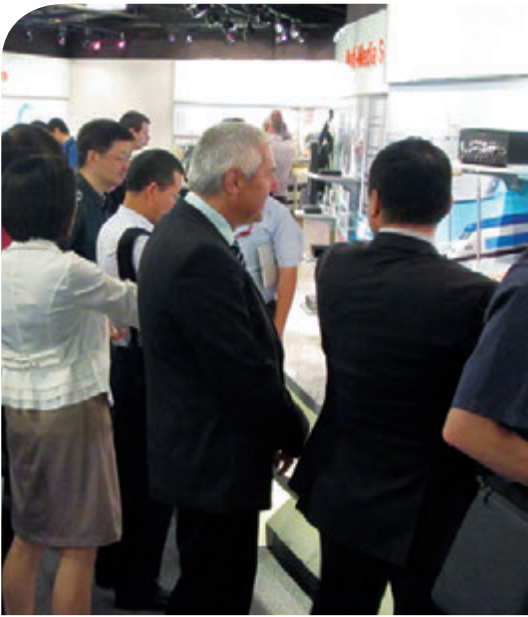

NSA 2120

New Accessory

NSK 5140
LAN Module Best Mate of Network Security Platform

This PCIe LAN module with dual 10GBASE-T copper ports is based on Intel® X540-AT2 chipset. It's the best mate of NEXCOM's NSA 5130, NSA 7110W, and NSA 7120 network security platforms.

Turn Over A New Leaf of Milestone -
NEXCOM
20th Anniversary

Partnership is always NEXCOM's first priority. On June 5th, our 2012 Global Partner Conference took place within NEXCOM's new global headquarters. This wasn't merely a regular seminar, but an important milestone to share our solid business vision and our 3 year business growth strategy.

Clement Lin, NEXCOM Chairman and CEO, indicated that going upstream in value chain and focusing on our core strengths, with 2 times the speed and 10 times the scale would make NEXCOM and its partners stand out amongst the severe competition. To succeed, Clement Lin, announced a new corporate structure covering new business units, new affiliates and new solutions alliances; and the further integration and expansion of three overseas service hubs. In terms of competitive advantages, NEXCOM would further enhance its core strengths in embedded solutions for specific application domains with software and hardware-ready appliances,

engaging in promising SoC vertical platforms, and expanding the x86 vertical platforms.

"The growth in booming digital signage sector, transportation computers and a 40% rise in sales of the NISE fanless computer, enabled NEXCOM to grow 67% from year 2009 to 2011," said Peter Yang, NEXCOM's President. "To create further momentum, NEXCOM, in the next three years, will quickly invent and enhance unique applications in vertical domains of acquisition & control, process automation, POS, mobile infotainment, fleet management, mobile surveillance, rugged mobile computers, digital signage, intelligent security, network security, cloud, and IoT."

Clement Lin wrapped up his speech to urge all of valued partners to engage in seamless collaborations with mutual trust, and together we could enjoy long-lasting sustainable growth for next decades.

NEXCOM China Holds 2012
Chinese Partner Conference

NEXCOM China 2012 Chinese partner conference was held in Beijing from June 14th to June 16th.This was not only the first plenary session for Chinese mainland partners, but also was NEXCOM's 20th anniversary. More than 200 distributor representatives all over the country attended the meeting to share the joy of success and discuss the development plan and further cooperation.

On June 15th, the meeting started with the theme "With sustainable development and expansion, co-create a new situation." NEXCOM CEO Clement gave his speech, in which he expressed his warm welcome to all the guests and reviewed NEXCOM's 20-year industry endeavor in IPC. With the support of all partners and all NEXCOMer's efforts, he said that NEXCOM was going forward at a fast and powerful pace. The picture of "NEXCOM Rise Time" gave the participants a very deep impression.

Since NEXCOM entered the Chinese mainland market in 2006, NEXCOM China's performance growth increased by thousand times, NEXCOM has gradually gained a firm footing in Chinese IPC market. During the conference, product

demonstrations and technical seminars were held simultaneously. Fanless computer NISE 3600 series, especially the NISE 3600E, had been the highlight of the product showroom. Based on the 3rd generation Intel® Core™ processor, its innovative design and support of three independent displays performance caught all visitors' eyes.

In this conference, Clement Lin also awarded the distributors who made a great progress in various fields to recognize their outstanding achievements and motivate them with growing together with NEXCOM. One of the award-winning distributor representatives expressed their thanks to NEXCOM, "During the years of cooperating with NEXCOM, it was NEXCOM'S quality, reliable products and perfect service that put us be ahead of competitors, we believe we will always be in the forefront of the market in the future. Thanks again for NEXCOM's support," he said.

The Important Milestone in Asia - 2012
Asia Partner Conference
in Singapore

Aimed at the potential of greater Asian market, NEXCOM selected Singapore as the venue for the 1st Asia Partner Conference which took place on August 23rd in Resorts World Sentosa.

In this one-day conference, multi-media and industrial computing solutions were the major topics being introduced to our valued partners from Asia.

For multi-media solution, the partners were interested in NEXCOM product line-up, software solution, and new technology such as iAMT and OPS. Several NEXCOM product solutions including OPS M50, M422, M532, NDiS B892, and NDiS 167 attracted a great deal of attention.

At the industrial computing session, the latest embedded solutions including the NISE fanless computer series, and COM Express boards were the highlights. The eye-catching products include NISE 104, NISE 60, and PEAK 886VL2 etc. With compact design, abundant I/O, and up-to-date technology of 3rd generation Intel® Core™ processors, NEXCOM products always surprise partners with high performance and compatibility.

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