

A Passion for Quality,
Security and Connectivity



2015 Network and Communication Solutions

- Network Application Appliances
- Network Security Appliance
- Industry Firewall Solution
- Industry Storage
- Industry Switch

NCS

Network and Communication Solutions

Network Application Appliance

Network Security Appliance

Industry Firewall Solution

Industry Storage

Industry Switch

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Henge™ Industry Solution

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About NEXCOM

Reliable Partner for the Intelligent Systems

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

With its focus on delivering these core values to better serve customers, NEXCOM integrates its capabilities and operates six global businesses, which are Multi-Media Solutions (MMS), Mobile Computing Solutions (MCS), IoT Automation Solutions (IAS), Network and Communication Solutions (NCS), Intelligent Digital Security (IDS), and Medical and Healthcare Informatics

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

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

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



IAS	<p>Automation: factory automation (FA), PPC & HMI, machine automation (MA), machine vision</p> <p>IoT: IoT gateway, industrial wireless solutions</p> <p>Intelligent System Services: embedded computer, single board computer, computer-on-module, POS, kiosk PPC, ODM/OEM services</p>
IDS	<p>Intelligent Digital Security: IP Cam, NVR, mobile server platform</p>
MCS	<p>Mobile Computing Solutions: rugged computer devices, rugged mobile computer</p> <p>Vehicle Telematics Computer: Car PC, train PC</p>
MMS	<p>Multimedia Solutions: digital signage</p>
MHI	<p>Medical and Healthcare Informatics: total solutions with a variety of medical IT systems</p>
NCS	<p>Network and Communication Solutions : network security, VoIP, HPC, telecommunication, storage, switch, industrial firewall</p>

Corporate Vision

To become the industrial leader in providing intelligent systems, NEXCOM utilizes its industry leading technology, localized customer support and worldwide logistics services. This will be achieved by:

- Great team work
- Cooperation with trusted partners
- Growth through innovation

Corporate Mission

- An innovative supplier in vertical application markets
- A quality partner in engineering, manufacturing and services

Business Strategy

Aim to better support the activities of all its partners, NEXCOM divides its sales force into six dedicated business units to target rapidly expanding vertical markets. This enhances each business unit concentrating on strategic channel accounts and on repeat order business. Moreover, NEXCOM's business units have been set up to serve the requirements of key project accounts, where product ODM and project support are frequently required.

NEXCOM is working with embedded computing solution providers to envision new opportunities for growth. We'll help you deliver reliable vertical solutions, optimized for the next wave of IoT and Industrial 4.0 applications.

Research and Development

Innovation, Quality, Speed and One-stop Service

Over a decade ago, NEXCOM successfully launched the PEAK series of Single Board Computers onto the IPC market, and in doing so, gained a solid reputation for product quality and innovation. In subsequent years, NEXCOM has enhanced its reputation for R&D excellence with a multitude of high-end technology products, which has cemented NEXCOM as one of the industry leaders for R&D and innovation.

The mission of NEXCOM R&D team is to design exceptional products that meet the stringent requirements of today's global markets. In order to achieve this goal, we have recruited hundreds of talented engineers who have the knowledge and expertise to make NEXCOM's products stand out in this highly competitive market.



In 2015, NEXCOM will expand our offerings with solutions for IoT gateway, robot controller, connected cars, Industry 4.0, and industrial security applications. The team is encouraged to "Think with New Ideas" and "Know how to make it and do it right first time". In addition, the size of NEXCOM's R&D team has been expanded to over 166 members and remains as one of core competences of the company.

Versatile Design Capabilities

- Fanless technology for industrial computer
- High availability network security platform, blade, and cPCI
- Rugged tablet computer and car PC

- Ultra small footprint computer-on-module
- High speed networking
- Isolated and non-isolated power system
- Isolated and non-isolated industrial I/O
- Wide range of operating temperature

24/7 Production Line

Optimal Manufacturing Efficiency

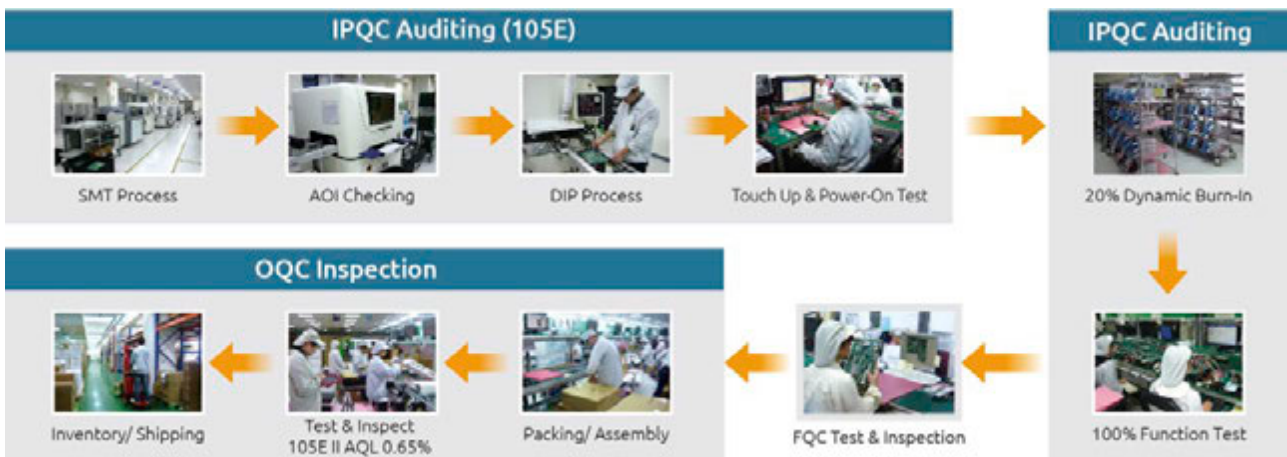
The manufacturing of delicate products requires a high-level technology, craftsmanship, standards and time-to-market efficiency. Over years continual investment in advanced manufacturing equipment and systemic training programs has enabled NEXCOM to obtain optimal manufacturing efficiency.

To fulfill the increasing market demand for NEXCOM's products, the company has opened a 24/7 production line. This investment not only furthers the quality of products, but also reduces production lead-time for all global customers.



Quality Assurance

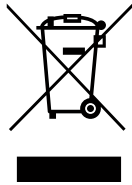
Under a strict Quality Assurance System, product design and reliability are controlled to support all critical solutions, and ensure Total Quality Assurance (TQA) implementation for all NEXCOM products and service. Furthermore, NEXCOM technical support team aims to provide feedback within 24 hours to ensure technical issues are resolved in the shortest possible time.



Closed-Loop Quality Assurance System

Green Policy

As a global citizen, NEXCOM is committed to providing green products and services, which are compliant with WEEE and RoHS legislation. NEXCOM continues to proactively work with industry peers and suppliers, to clarify standards, and identify compatible technologies and practices that help reduce hazardous substances from our products and manufacturing processes.



NEXCOM has invested heavily to establish operational infrastructures, including advanced equipment and facilities, not only at its global headquarters but also at subsidiary offices. Today, each of our service centers, with ISO 9001:2008 certification, has a purpose built assembly line, RMA/DOA center and warehouse storage capability.

Global Fulfillment Service

Product delivery and customer support are always more effective when delivered locally. NEXCOM localizes support and provides a global customer service network to handle all aspects of global business, from presales, order taking, and system assembly to logistics. For expeditious product delivery, NEXCOM has established four regional service centers: Taiwan (for Asia), USA (for North America and South America), the United Kingdom (for Europe) and China. Therefore, NEXCOM customers benefit from quality assured product assembly and four service centers.



NEXCOM Global Service Network

Assembly Line Operation

NEXCOM offers custom-built products based on customers' specific requirements through the build-to-order services. A dedicated 24/7 assembly line and Quality Assurance System are installed in the services center to ensure exceptional production efficiency and superb product performance and reliability.



Service Pledge and Connection

As a reliable intelligent systems provider for vertical markets, NEXCOM provides the very best products and the most expeditious service to help customers build the digital infrastructure. Comprehensive types of service are provided to promptly satisfy varying requirements. In addition to the headquarters in Taiwan, seven subsidiaries and distributors in strategic worldwide locations are at your service.



Service Types



Quotation



Project Consultant



Technical Support



Solution Alliance



RMA/DOA



Assembly/ Test



Global Logistics



Customization



ODM
Original Design
Manufacturing

Your Truly Global Information Resource

www.nexcom.com

www.nexcom.com is your one-stop platform for the latest information on all NEXCOM products and services. The rejuvenated website not only contains product relevant information and data, solutions/ products demo, up-to-date news, but incorporates online downloads, publications, and technical service supports, such as RMA/ DOA centre. Furthermore to localize service and support, seven NEXCOM sister websites remain to serve visitors in diverse geographical regions.



Get the Latest Updates Anytime, Anywhere

m.nexcom.com

At the end of the year 2011, NEXCOM launches its mobile site, m.nexcom.com. The site aims to cross time and space boundaries by allowing users to access the latest innovation and information of NEXCOM via smartphones. On this website, users will easily find our latest products, news, application stories, white papers, and videos. The mobile site now supports iOS and Android system. Please visit us at m.nexcom.com.

Design and Manufacturing Services (DMS)

Customized Service for Tailor-Made Solutions

NEXCOM provides cost-effective and time-to-market Design and Manufacturing Services (DMS). The DMS offers product customization from core modular designs to finished products based on customers' specifications in all kinds of industrial field. The levels of the service include manufacturing new CPU boards and system based products to fulfill customers' unique applications.

Unique DMS Features

With vast experience, the know-how, leading technology and innovative design capabilities, NEXCOM DMS incorporates the following features:

Prompt Time-to-Market



NEXCOM possesses a dedicated project management team to monitor and ensure each DMS project is delivered on schedule. Thus, a quick time-to-market solution can be offered with time-scales varying from one-three months for the design phase, with an average six month period from design to market.

Flexible Design and Manufacturing



NEXCOM possesses a complete R&D team to design and engineer the latest industrial grade products. As R&D engineers grouped into small cross-functional teams, they can develop more reliable products with flexible designs and quicker response to customers' requirements. In addition to our R&D capabilities, the state of art manufacturing facility and production lines enables NEXCOM to offer a flexible manufacturing with highly skilled factory staff.

Rigid Quality Control



NEXCOM is pledged to deliver high quality products, from design to manufacture, and safeguard against defective products by implementing a rigid Quality Assurance System. In this system, at the end of each process, NEXCOM performs various tests to ensure that the product passes the industrial standard before it enters into next stage. Finally, additional tests are performed to ensure all board and system level products function correctly. Tests include "Failure Mode and Effects Analysis", "Vibration Test", "Burn-in Chambers", "Drop Test", and "AC Power Source Test".

Extensive DMS Experience



We set higher standards! NEXCOM surpasses your tailor-made product requirements with extensive DMS experiences. We are specialized in X86 architecture and have accumulated invaluable experience and know-how in real working environments. Moreover, with a superb reputation, NEXCOM has under its belt many ODM projects in diverse fields, such as gaming, medical, POS, network security, transportation, marine, blade servers, and Linux BIOS etc.

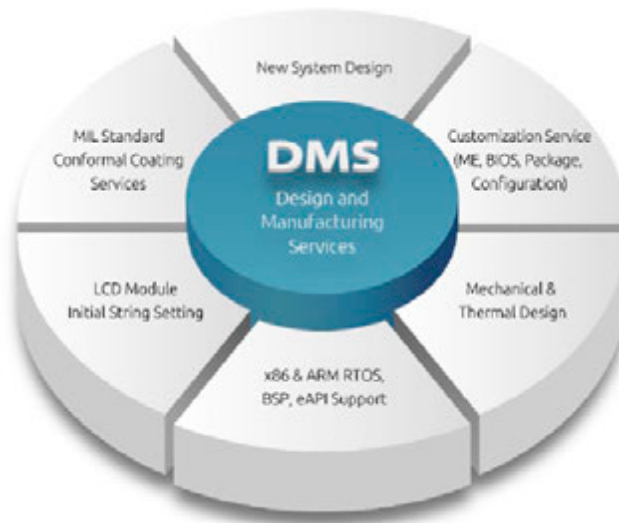
Scope of DMS Work

■ Original Design Manufacturing Service (ODMS)

NEXCOM offers a complete ODM Service starting from the brand new product design right through to the finished product. We can design products based on the customer's unique specifications and application requirements.

■ Customization to Order Service (CTOS)

NEXCOM also provides CTOS, which is a quick-to-market solution by modifying the existing products to fit your business requirements, such as BIOS setting, component change by using current PCM layout, chassis color change, and packing accessories etc.



Service of DMS

With decades of industrial computing experience, NEXCOM has the capability to provide different levels of customized service to manufacture innovative products with exceptional high quality. We can assist you to differentiate from competitors, and save significant time and efforts.

Level 1	Logo Re-brand	We provide the service to change the membrane to re-brand the company logo on the front panel. Customers need to provide Membrane drawing with all color pantone number. There is a service charge involved.
Level 2	Customerized Build	Customers can change the membrane and chassis color to re-brand the packing. NEXCOM can offer dedicated part numbers and BOM. MOQ and service charge are required.
Level 3	Manufacturing Service	Contract manufacturing. The service scope includes system assembly & burn-in, software loading & testing. MOQ and manufacturing service charge are required.
Level 4	New Project	The design of new board & system is available. NRE and quantity commitment are required.

Professional Conformal Coating Solution

Get Ruggedized with NEXCOM Cost-Effective Conformal Coating Service for Harsh Environment Protection

Prompt Time-to-Market

NEXCOM recognizes the harsh reality that many embedded systems find themselves operating in unusual hostile environments. When conformal coating is required to protect your application against substantial humidity, dust, chemicals or temperature extremes, we can help!

Cost Effective Service to Apply Coating Solution in Vertical Market Segments

In addition to the usual military and harsh industrial environments that demand conformal coating, NEXCOM expand our conformal coating to Vehicle Telematics Computing, outdoor traffic control/surveillance, and off-shore Marine applications. These applications demand embedded computing performance with increased reliability through conformal coating process.

To support a wide range of applications in vertical markets, NEXCOM has engineered a diverse range of platforms, which incorporate the latest.

"State of the Art" Conformal Coating Line

NEXCOM uses automated Conformal Coater equipment for applications that require a high level of accuracy and repeatability in moderate to high volume manufacturing environments. "State of the Art" coating line is a closed-loop robotic platform featuring optical encoder feedback on all axes.

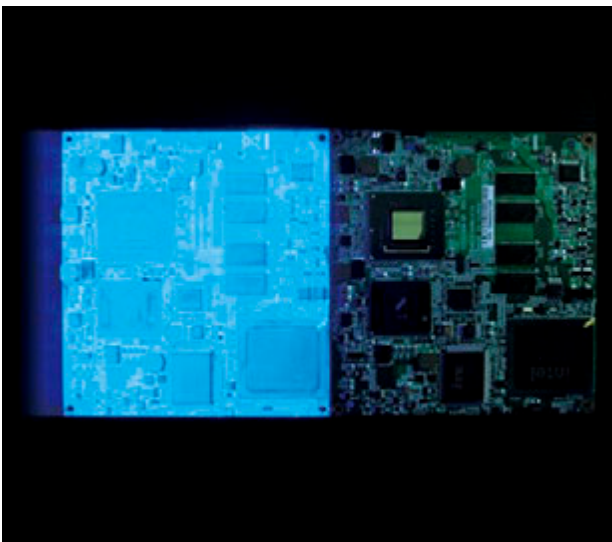
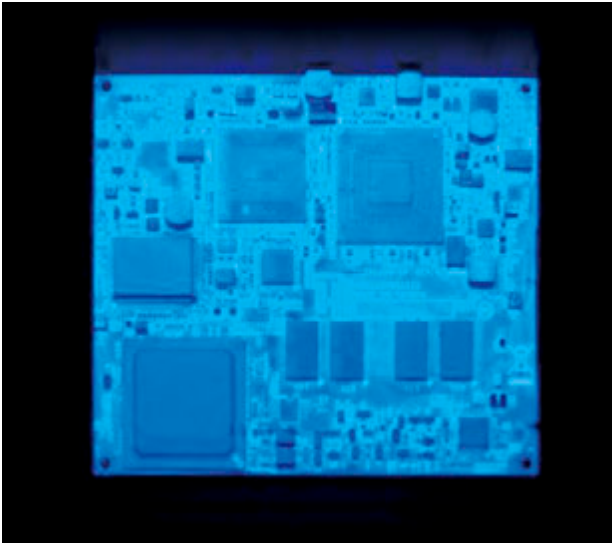
Smart Masking Technology

Our smart masking technology can pin point specific area on the PCBA for coating. The green, programmable conformal coater equipment allow user to only coat the area selected, which save labor/ material costs.



De-Flux Cleaning

To prepare a PCB for conformal coating, the circuits need to be cleaned. NEXCOM uses automatic defluxing and cleanliness testing systems. The deflux system is equipped with an automatic chemical management system that automatically doses and mixes defluxing chemicals at the turn of a keyed switch.



Real Time Cleanliness Testing

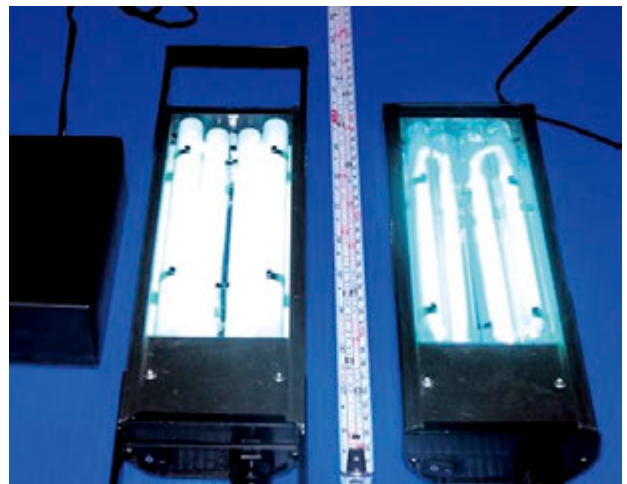
NEXCOM's deflux cleaning system is also equipped with an onboard cleanliness testing system which allows a user to program a desired cleanliness level. This assures that cleanliness levels will be consistent batch after batch.

De-Coating RMA Service

NEXCOM offer De-Coating RMA service upon request. This new service allows you to further cost down and generate higher ROI.

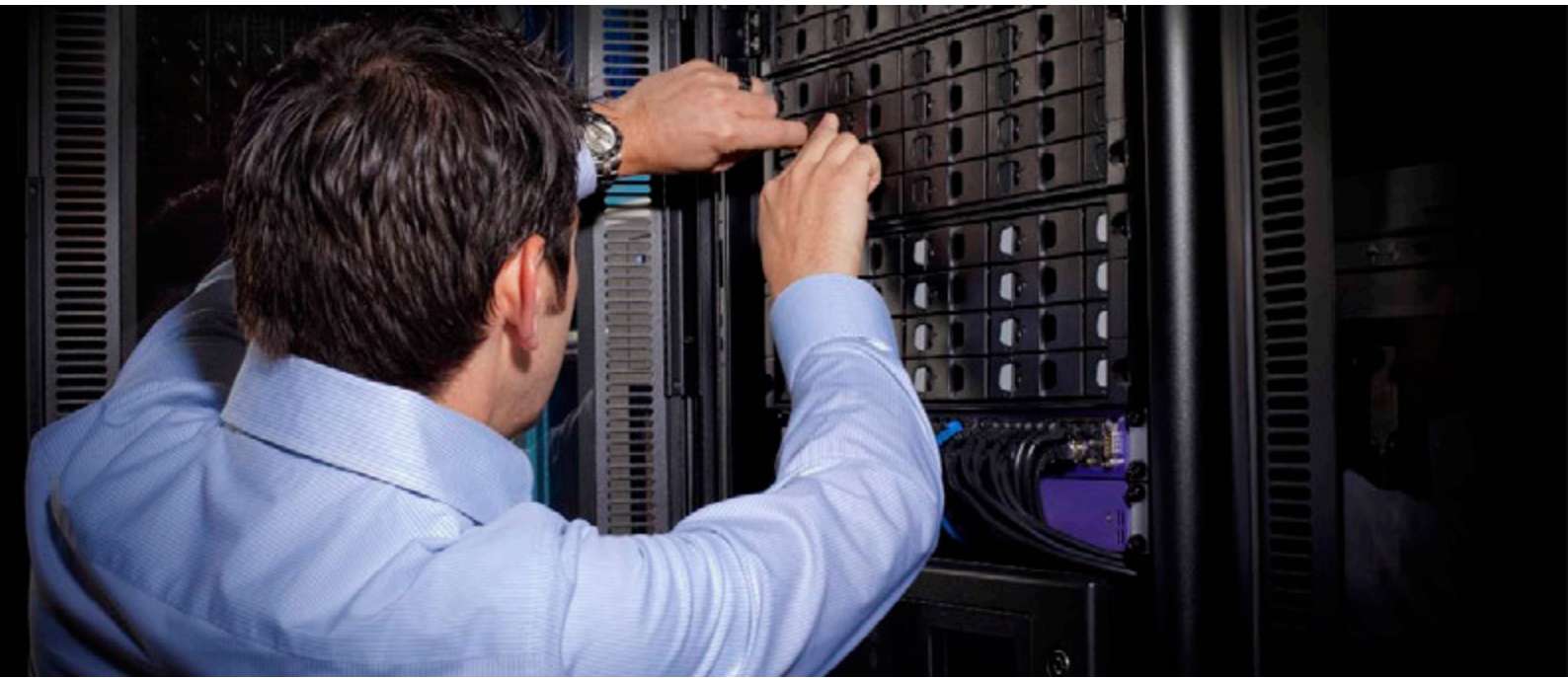
Quality Assurance Policy and Consistency Guarantee

Conformal coating inspection is a critical factor in determining successful coating application and long term reliability of PCBs. Using the IPC standards allows the coating operator to monitor the coating application performance. NEXCOM offers 100% manual screening by examining the PCB under white and UVA light and Thickness Gauge.



NEXCOM follows IPC-A 610, IPC-CC-830, IPC J-STD-001E regulations to generate consistent, adjustable coating thickness and cleanliness.

Network Application Appliances



The Diversify Network Application Solutions

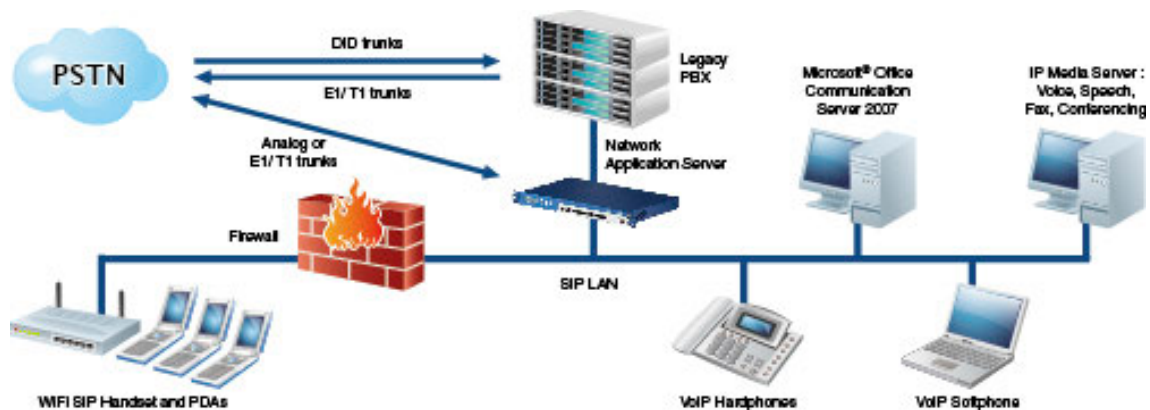
As consumers demand more sophisticated services over increasingly advanced networks, managing complexity is becoming more challenging. While enterprises and service providers alike may dream of simply replacing existing networks, the reality is that most legacy installations still work beautifully, forcing networks from various generations to co-exist and interconnect seamlessly for the foreseeable future.

NEXCOM offers a media appliance that interconnects different types of media streams to create a transparent end-to-end path

for voice, video, and data in corporations and service provider environments. Available in a range of functionality and sizes, these gateways may also include premier bandwidth and codec optimization that can reduce costs significantly in the access and core portions of the network.

Rising to this interwork challenge, NEXCOM supplies a full suite of products ready to deliver video calls, text messaging, and location-based services and many other high-demand services over mobile, VoIP, and traditional networks. Whatever the need- from switching to transport- NEXCOM supplies the technology to create, manage and security control, voice, video, and data sessions simultaneously to meet your business.

VoIP Application Diagram



Network Security Appliance

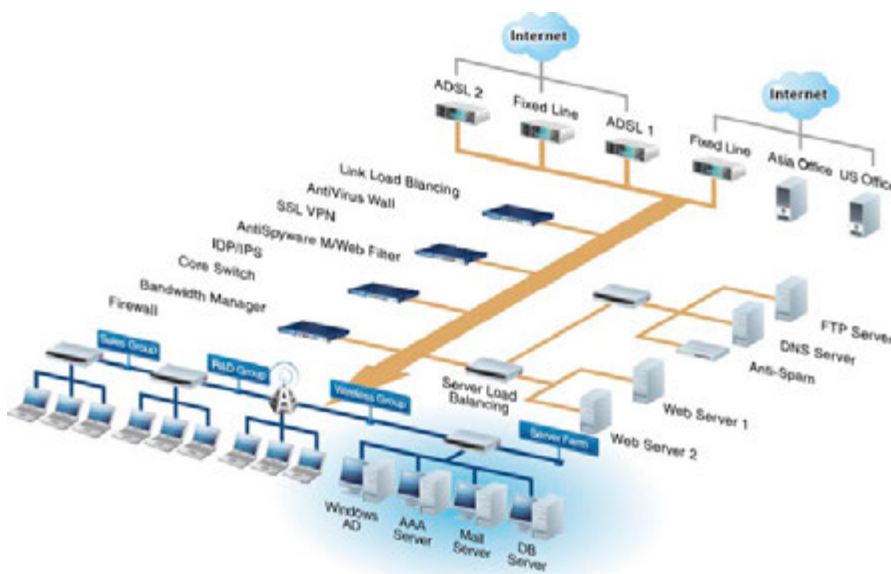


Is Your Info Protected?

The invention of the Internet has broken down geographic barriers and created numerous business opportunities, however the Internet has also exposed businesses to the catastrophic danger of web attack. In the e-business generation, a company's daily operation relies on the Internet. Without proper Internet and network protection, an organization operation could be severely damaged by Internet attack, such as malicious hacking and security breach. Where a security breach occurs, the true cost of the incident is often difficult to measure, but could include the cost of server down time, stolen or lost data and subsequent loss of an organizations reputation.

The Most Trustworthy Network Security Solutions

To protect all of your valuable investments, NEXCOM offers a full range of network security platforms. Designed to fit various Network environments, NEXCOM's Network Security Appliances are designed to act as the solid foundation on which to host Virtual Private Network (VPN) as well as load balancing and Intrusion Detection System/ Intrusion Prevention System (IDS/IPS). NEXCOM's network security solutions provide highly secure platforms to ensure the normal operation of your critical business systems.



Applications

- SSL VPN
- Link Load Balancing
- IDP/IPS
- Bandwidth Management
- Firewall
- Anti-Spyware
- UTM
- Network Access Control
- Web Filter
- AntiVirus Wall
- Core Switch
- Server Load Balancing
- IM Filter (Instant Message)
- Anti-Spam
- AAA Server

Industry Firewall Solution



The Henge™ industry firewall series is a fully integrated industry multi-port firewall router with VPN function. The fully equipped, broadband-capable firewall router offers a stateful packet inspection firewall, intrusion prevention and real-time alerts. Equipped with SSL VPN functions, the Henge™ industry firewall provides a remote access infrastructure to secure connections, and helps machine builder/system integrator to design easily maintained systems. Furthermore, its tough fully-rugged design is ideal for harsh environment application. With wide temperature range up to to 70°C(158°F) degree, it offers reliable communication network in extreme temperature conditions.

Pairing VPN capability, the Henge™ industry firewall series is an ideal endpoint connectivity and security solution for industry automation, process control, energy and medical instrument remote management application.

Protect critical assets against cyber threats

In recent years, rising demand in electricity intensively presses power plants to provide more renewable energy at lower price. By leveraging existing IP infrastructure, power plants can maximize plant efficiency and reliability through automation, integration, and optimization of the entire plant.

The stateful firewall router can not only examine a packet more deeply, to eliminate the chance a packet pretending what it's not and possible damage, but also can keep track of incoming and outgoing traffic's connection states.



Increase operational efficiency

In a volatile world economy, market presents both challenges and opportunities for companies, such as setting up profitable growth, expanding into new territories, differentiation and more. Traditionally, machine control network for automation is a closed network with narrow bandwidth, which makes remote machine diagnosis more difficult. Now, thanks to the rapid decline in IP network cost. With remote-access solution, machine builder/SI can improve business operations by reducing emergency service calls, inefficient on-site technical services...and so on. Furthermore, the advantages include remote accessibility, easy installation and integration, and better scalability flexibility and cost-effectiveness.

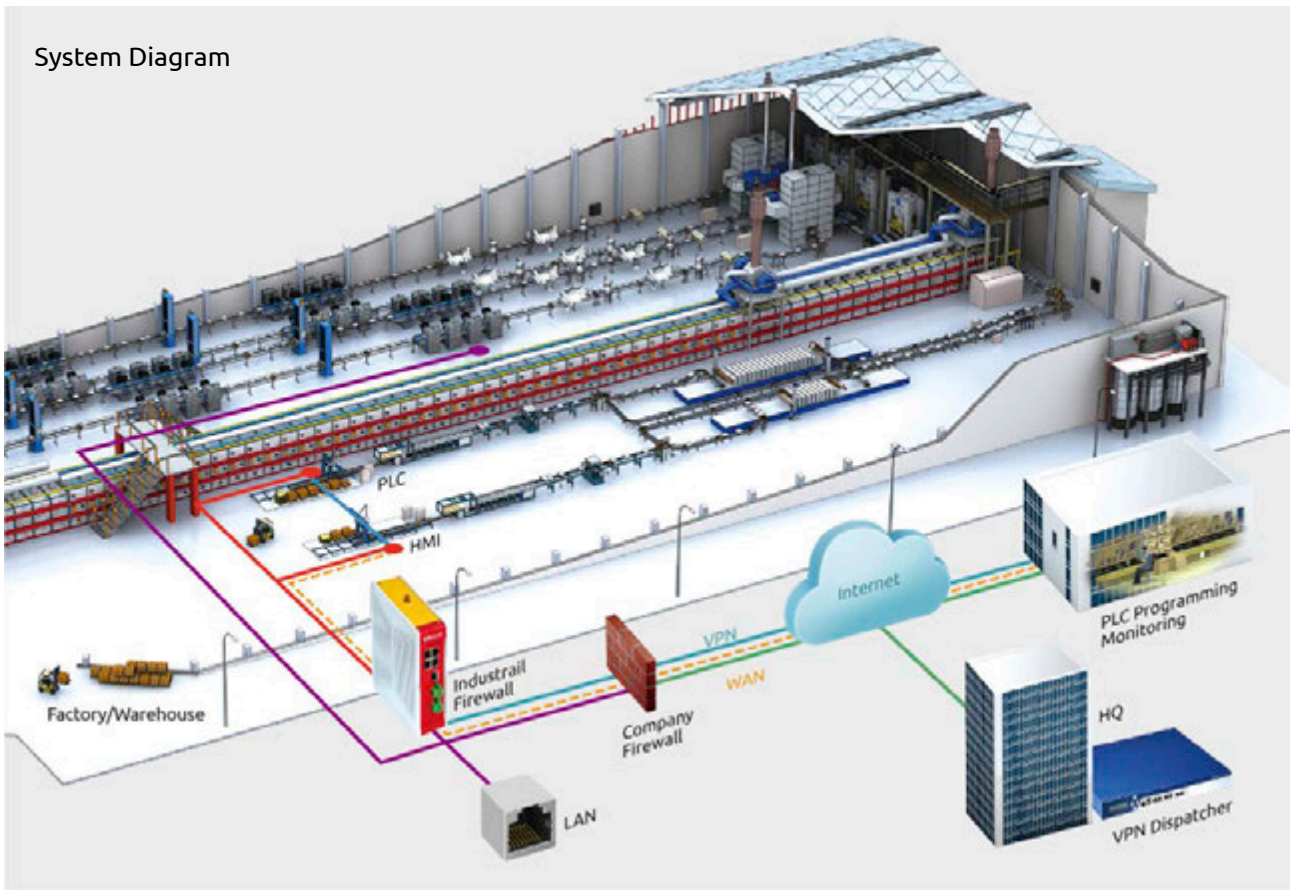
The Henge™ industry firewall series is ideal for a variety of applications in secure data communication segment which requires stateful firewall/NAT, industry protocols filter, reliable and secure VPN tunnels, and easy installation and maintenance.



Connect Valuable Devices with Simplicity, Efficiency, and Complete Security

With the Henge™ VPN Dispatcher, user can define and manage network connections with extremely flexibility, adapting them to suit specified needs, like create multiple and distributed networks using VPN gateway to gateway, enable remote user connections to specific network and define custom per-user profiles...and so on.

System Diagram



Industry Storage



High Performance, Reliability and Capacity of Data Storage in Harsh Environments

The CoreVault™ series consists of extremely rugged network-attached storage (NAS) devices to provide high performance, reliability and capacity of data storage in harsh environments. Equipped with robust hardware RAID engines, the series offers high level of data accuracy for use in industries including oil and gas, transportation, industrial automation and more.



Furthermore, the CoreVault™ series offers various data recovery options. The Remote Replication feature supports real-time data backup to remote NAS or FTP servers and synchronizes files to remote folders from local folders with

better backup efficiency and reduced backup time. It also supports rsync protocol to back up data to remote servers on a scheduled basis. It is compatible with SMB/CIFS, NFS, and AFP protocols for file sharing across Windows, Mac, and Linux/UNIX networks. The CoreVault™ series also supports Access Control List (ACL), enabling system administrators to easily configure user permissions.



The CoreVault™ series is built with a fanless, power-efficient, dust- and water-resistant chassis with IP 54 rating. This sealed enclosure eliminates the use of failure-prone fans, increasing system reliability and preventing dust and water ingress. With data interception technology, the CoreVault™ provides intelligent data and drive protections against extremes of heat and vibration, making it suitable for a variety of industrial applications.

Industry Switch



Rugged-design and Managed Switches Designed to Provide Backbone Grade Connections

The CoreLink™ Ultra 10G series are high-performance, rugged-design, and managed switches designed to provide backbone grade connections in harsh environments. Equipped with 4 ports of 10 Gigabit Ethernet, the CoreLink™ Ultra 10G series is able to provide extremely wide bandwidth for data communication like limitless highway. The series supports L3 static routing to efficiently dispatch data as a router, instead of forwarding thousands of request data packets.

The CoreLink™ Ultra 10G series supports 12 or 16 Gigabit ports, VLAN, redundancy protocols (STP/RSTP/MSTP), Link Aggregation Control Protocol (LACP), Internet Group Management Protocol (IGMP), Link Layer Discovery Protocol (LLDP), Layer 2-4 ACL Classification QoS, 802.1X radius port protection, loop detection,



broadcast/multicast storm filter, and more versatile network management features.

The CoreLink™ Ultra 10G series is aimed at providing high availability for applications including factory automation, ITS, security surveillance, railway, and wireless networks. The Ultra 10G switches address different requests of different applications. For ITS applications, the Ultra 10G series can prioritize data traffic, enabling important data such as traffic control signals takes priority over a



large amount of data from APs and cameras. For security surveillance and wireless network applications, the PoE PSE function supports large IEEE802.3at 30W and 10G backbones. For railway applications, the Ultra 10G switches are designed by EN50121-4 specification to deliver enhanced reliability in environments with loud signal noises.

The CoreLink™ Ultra 10G series is suitable for use in different occasions. It provides stable operation at a wide temperature range of -40 to 75°C, and it provides various software features for use in different applications.

2015 New Products

NSA 7130

Intel® Xeon® E5-2600 V3 Processors

- Dual Intel® Xeon® E5-2600 V3 Processors
- Support DDR4 1866/2133 ECC & REG, up to 512GB
- On-board 16G LAN Copper/Fibre + 4 x 10G SFP+
- Two LAN Modules Slots
- Support Two Swappable 3.5" SATA/SAS HDD
- Support CRPS (1 + 1) Redundant Power Supply
- 2U, 450mm depth chassis design



NSA 5150

4th Generation Intel® Core™ Processor 1U Rackmount with 8 PCIe GbE LAN & LAN

- 1U rackmount network platform
- Intel® 4th generation Core™ processors
- Support four DDR3 1333/1600 memory, up to 32GB
- Support one PCIe x8 expansion
- Internal one 3.5" HDD bay/two 2.5" HDD bay (Optional)



NSA 3150

4th Generation Intel® Core™ Processor 1U Rackmount with 8 PCIe GbE LAN & LAN Module

- 1U rackmount network platform
- 4th generation Intel® Core™ processors
- Support four DDR3 1333/1600 memory, up to 32GB
- Support one PCIe x8 expansion
- Internal one 3.5" HDD bay/two 2.5" HDD bay (optional)



NSA 1150

New Intel® Atom™ processor C2358, up to 4 cores 2.4G with Quick Assist, BGA type, with 6 PCIe GbE LAN ports

- Intel® Atom™ processor C2358, 2 Core 1.7 GHz with Quick Assist, BGA type
- DDR3-1600 long-DIMM ECC memory, Max. 32GB
- Support 6 PCIe GbE LAN ports
- Internal one 2.5" HDD bay
- Fanless

IVD1000-S/A

Industrial VPN Dispatcher 25/100 Licenses

- Fully-integrated VPN server
- Stateful packet firewall
- SSL VPN secure connection
- Centralized management
- Up to 25/100 concurrent licenses
- Redundant storage (RAID1)





DNA 125B

Intel® Atom™ Processor E3800 Product Family BGA Type, with 2 Giga LAN and 8 Port Switch

- Intel® Atom™ processor E3815, BGA type
- DDR3L- SO-DIMM memory, Max. 8GB
- Support 2 Giga LAN ports
- Support 8 GbE switch ports
- Support one Mini-PCI slot

DNA 1150

Intel® Atom™ Processor C2358, 2 Cores 1.7G with Quick Assist, BGA type, with 6 PCIe GbE LAN ports

- Intel® Atom™ processor C2358, 2 Cores/1.7G with Quick Assist , BGA type
- DDR3 1333MHz Long-DIMM sockets, up to 16GB ECC or non-ECC SDRAM
- Support 6 PCIe GbE LAN ports
- Internal one 2.5" HDD Bay
- Two pairs dual latch bypass



IFA 3610

Industrial Firewall, 5-ports VPN Router with Wide Temperature Range

- Stateful Packet Firewall
- DoS and DDoS Protection
- SSL VPN Secure Connection
- DI/DO Support
- Centralized Management
- Wide Temperature Range Support, up to 70°C



IFA 1610

Industrial Firewall, 3-ports VPN Router

- Stateful packet firewall
- Intrusion prevention
- SSL VPN secure connection
- RS232/485 serial communication
- Versatile logging & report system
- Centralized management

Products Selection Guide


Gateway to Communication

NEXCOM delivers the trusted and reliable platforms for network security appliances. Building upon the standard x86 architecture, our products allow network security software vendors to create their own professional appliances easier without additional efforts in BIOS and drivers. With the integration of leading technology from x86 CPU, PCI-Express and I/O accelerations, the security and performance of customers' applications are greatly improved.



Features and Benefits







- RoHS compliance: commit to produce green products and services compliant with EU RoHS directive 2002/95/EU.
- PCIe based GbE LAN: our PCIe based network security appliances can be enhanced to utilize 10 Gigabit networks to boost network performance.
- Dual/quad core processors with I/O acceleration: greatly improve CPU computing bandwidth in complex and intensive security computing. With sufficient processing power, they are appropriate for connection/ control- oriented and threat management-oriented network security appliances.
- Modular design platforms: can cope with diverse connection types from copper to fiber or from 2 ports to multi port. Security software vendors can focus on per port performance or increased connectivity with high port density.
- LAN bypass: enable connection fault tolerance for appliances, which act as the transparent bridges among networks. Users will hardly sense the network inaccessible when the appliances stops working due to hardware or software detects.

Applications and Market Focus








 Firewall/VPN	 Anti-Virus/Anti-Spyware
 Voice & Data Convergence	 E-mail Filtering & Anti-Spam
 Traffic Load Balance	 Unified Threat Management
 Intrusion Detection & Prevention	 Bandwidth Management

Network Security Appliance





		
Model	NSA 7120U	NSA 7130
CPU	Dual Intel® Xeon® E5-2600 V2 Processor Family	Dual Intel® Xeon® E5-2600 V3 Processor Family
RAM	12 x DDR3 1333/1600 DIMM, up to 384GB	16 x DDR4 1866/2133 DIMM, up to 512GB
Chipset	Intel® C604	Intel® 610
LAN Chip	Intel® i350 Intel® 82599EB	Intel® i350 Intel® XL710
GbE	Max 40GbE	On board 16GbE 4 x 10GbE + 2 LAN Module
HDD	2.5" HDD x 2	3.5" HDD x 2
CF/C-Fast	0/1	0/1
DOM	SATA DOM x 1	SATA DOM x 1
Serial	1 at Front (RJ-45 Connector)	1 at Front (RJ-45 Connector)
IDE/SATA	0/4	0/4
USB	2 at Front	2 at Front
Expansion	LAN Modul Bay x 5	PCIe Slot x 1, LAN Module Bay x 2
LCM Module	2 x 16, PIO	Graphic, SIO
Indicators	Power, HDD, Bypass LED, GPIO LED	Power, HDD, Bypass LED, GPIO LED
Power	460 Watt 1+1 Redundant Power Supply	460 Watt 1+1 CRPS Redundant Power Supply
Form Factor	2U	2U
Dimensions (mm)	430 x 580 x 88	430 x 450 x 88

					
NSA 5130	NSA5150	OSA 5130	NSA 3130	NSA 3150	NSA1150
2nd Gen. Intel® Core™/ Intel® Xeon® E3 Processor Family	4nd Gen. Intel® Core™ Processor Family/ Intel® Xeon® E3 Family	2nd Gen. Intel® Core™/ Intel® Xeon® E3 Processor Family	2nd Gen Intel® Core™ Processor Family	4nd Gen Intel® Core™/ Intel® Xeon® E3 Processor Family	New Intel® Atom™ Processor C2358, BGA Type
4 x DDR3 1066/1333 DIMM, up to 16GB	4x DDR3 1333/1600 DIMM, up to 32GB	4x DDR3 1066/1333 DIMM, up to 16GB	2x DDR3 1333/1600 DIMM, up to 8GB	2x DDR3 1333/1600 DIMM, up to 32GB	2 x DDR3 1333/1600 Memory, up to 16GB
Intel® C206 PCH	Intel® C226 PCH	Intel® C206 PCH	Intel® H61 PCH	Intel® H81 PCH	Intel® C2358 (SoC)
Intel® 82583V	Intel® I350AM4	Intel® 82583V	Intel® 82583V	Intel® I211	Intel® i211
Max 8 + 8 Ports	Max 8+8 Ports	Max 8 Ports	Max 8 Ports	Max 8+8 Ports	6 Ports
3.5" HDD Bay x 1 or 2.5" HDD x 2 (Option)	3.5" HDD Bay x 1 or 2.5" HDD x 2 (Option)	3.5" HDD Bay x 1 or 2.5" HDD x 2 (Option)	3.5" HDD Bay x 1 or 2.5" HDD x 2 (Option)	3.5" HDD Bay x 1 or 2.5" HDD x 2 (Option)	2.5" HDD x 2
1/0	0/0	1/0	0/1	0/0	1/0
SATA DOM x 1	SATA DOM x 1	SATA DOM x 1	SATA DOM x 1	SATA DOM x 1	CF Card
1 at Front (RJ-45 Connector)	1 at Front (RJ-45 Connector)	1 at Front (RJ-45 Connector)	1 at Front (RJ-45 connector)	1 at Front (RJ-45 connector)	1 at Front (RJ-45 Connector)
0/3	0/3	0/3	0/3	0/3	0/1
2 at Front	2 at Front	2 at Front	2 at Front	2 at Front	2 at Front
PCIe Slot x 1, LAN Module Bay x 1	PCIe Slot x 1	PCIe Slot x 2	PCIe Slot x 1	PCIe Slot x 1 (Optional)	PCIe Slot x 1 (Option)
2 x 16, PIO	2 x 16, PIO	2 x 16, PIO	2 x 16, PIO	2 x 16, PIO	2 x 16, PIO
Power, HDD, Bypass LED, GPIO LED	Power, HDD, Bypass LED, GPIO LED	Power, HDD, Bypass LED, GPIO LED	Power, HDD, Bypass LED, GPIO LED	Power, HDD, Bypass LED, GPIO LED	Power, HDD, Bypass LED, GPIO LED
200W ATX Power Supply, 200W ATX Redundant Power Supply (Option)	250W ATX Power Supply, 200W ATX Redundant Power Supply (Option)	200W ATX Power supply, 200W ATX Redundant Power Supply (Option)	250W ATX Power Supply	250W ATX Power Supply	65W ATX Power Supply
1U	1U	1U	1U	1U	1U
426 x 450 x 44	430x450x44	426 x 450 x 44	426 x 365 x 44	430x450x44	426 x 260 x 44

Network Security Appliance

Model							
	DNA 125B	DNA 120	DNA 1120	DNA 1150	DNA 2120	DNA 2610	ISA 1110
CPU	Intel® Atom™ E3815 Processor	Intel® Atom™ E3815 Processor	Intel® Atom™ D525/D425 Processor	Intel® Atom™ Processor C2358, BGA Type	Intel® Atom™ D525/D425 Processor	Freescape P1010 QorIQ Processor, 800MHz	Intel® Atom™ E620 Processor, 600 MHz
RAM	1 x DDR3 1066 Memory, up to 8GB	1 x DDR3 1066 Memory, up to 8GB	1 x DDR3 800 SO-DIMM, up to 2GB	2 x DDR3 1333/1600 Memory, up to 16GB	On-board 2GB DDR3 667/800 Memory, 1 x DDR3 800 DIMM, Up to 4GB	On-board DDR3 1GB Memory	On-board 512MB DDR2 800 Memory
Chipset	Intel® E3815(SoC)	Intel® E3815(SoC)	Intel® ICH8M	Intel® C2358 (SoC)	Intel® ICH8M	RTL8367VB-CG GbE Switch	Intel® EG20T Chipset
LAN Chip	Intel® i211 Broadcom BCM5312	Intel® i211	Intel® 8253V	Intel® i210	Intel® 82583V	-	Intel® 82574L
GbE	2 + 8 Ports	4 Ports	4 Ports	6 Ports	6 Ports	2 LAN Ports + 4 Switch Ports	2 Ports
HDD	2.5" HDD x 1	-	2.5" HDD Bay x 1	2.5" HDD x 1	2.5" HDD Bay x 1	On board 256MB NAND Flash	-
CF/C-Fast	0/0	0/0	1		1	-	-
DOM	SATA DOM x 1	SATA DOM x 1	SATA DOM x 1	MO-297	SATA DOM x 1	-	SATA DOM x 1
Serial	1 at Front (RJ-45 Connector)	1 at Rear (RJ-45 Connector)	1 at Rear (RJ-45 Connector)	1 at Front (RJ-45 Connector)	1 at Rear (RJ-45 Connector)	1 x DB9 Type Console Port	1 at Front (DB9 Connector)
IDE/SATA	0/2	0/2	0/2	0/1	0/2	0/0	0/2
USB	2 at Front	2 at Rear	2 at Rear	2 at Front	2 at Rear	1 at Rear	2 at Rear
Expansion	Mini-PCIe slot x 1 (Optional)	Mini-PCIe slot x 1 (Optional)	PCI Slot x 1, Mini-PCI slot x 1	PCIe slot x 1 (Option)	Mini-PCIe Slot x 1	Mini-PCIe Slot x 2	-
LCM Module	-	-	-	-	-	-	-
Indicators	Power, GPIO LED	Power, GPIO LED	Power, HDD, Bypass LED, GPIO Led	Power, GPIO LED	Power, HDD, Bypass LED, GPIO Led	Power, GPIO Led	Power, GPIO LED
Power	40W Power Adapter	40W Power Adapter	45W Power Adapter	40W Power Adapter	40W Power Adapter	40W Power Adapter	12V, 60W AC/DC Power Adapter
Form Factor	Desktop	Desktop	Desktop	Desktop	Desktop	Desktop	DIN Rail
Dimensions (mm)	232 x 184 x 44	204 x 110 x 44	272 x 195 x 44	272 x 195 x 44	250 x 194 x 40	230 x 187 x 30	59 x 140x167

Henge™ Industry Solution

Model Name				
	Industry Firewall Multi-port VPN Router			VPN Dispatcher
	IFA1610	IFA2610	IFA3610	IVD1000-S/A
Network Security	Yes	Yes	Yes	Yes
VPN Connections	Unlimited	Unlimited	Unlimited	25/100 Licenses
VPN Function	Client/Site-to-Site	Client/Site-to-Site	Client/Site-to-Site	VPN Management
LAN bypass	-	-	Yes	Yes
High Availability	-	Yes	Yes	Yes
WAN Failover	-	Yes	Yes	Yes
Network Address Translation	Yes	Yes	Yes	Yes
Routing	-	Yes	Yes	Yes
Logging/Reporting	Yes	Yes	Yes	Yes
Updates and Backup	Yes	Yes	Yes	Yes
Centralized Management	Yes	Yes	Yes	Yes
Hardware Specification				
Mounting	Wall Mount/Desktop/DIN Rail	Wall Mount/DIN Rail	Wall Mount/DIN Rail	Rack Mount
Power Input	24V DC Terminal/ DC Jack Input	24V DC Input	Dual 24V DC Input	65W Power Supply
CPU	ARM® Cortex® A8	ARM® Cortex® A8	ARM® Cortex® A8	Intel® Atom™
Memory	512MB	512MB	512MB	1GB
Ethernet	2 x 10/100Mbps	3 x 10/100/1000Mbps	5 x 10/100/1000Mbps	6 x 10/100/1000Mbps
Serial Communication	RS232/485	RS232/485	RS232/485	Console Port
USB	2 x USB	1 x USB	1 x USB	2 x USB
Digital Input/Output	-	1xDI/1xDO	1xDI/1xDO	-
Storage	MicroSD 4GB	MicroSD 4GB	MicroSD 4GB	2.5" HDD(RAID)
Cooling	Fanless	Fanless	Fanless	-
Dimension (HxWxD)	114 x 28 x 100mm	167 x 59 x 140mm	167 x 59 x 140mm	44 x 462 x 238mm
Operating Temperature	0°C ~ 60°C 32°F ~ 140°F	0°C ~ 60°C 32°F ~ 140°F	-20°C ~ 70°C -4°F ~ 158°F	0°C ~ 40°C 32°F ~ 104°F
Storage Temperature	-20°C ~ 70°C -4°F ~ 158°F	-20°C ~ 70°C -4°F ~ 158°F	-40°C ~ 80°C -40°F ~ 176°F	-20°C ~ 70°C -4°F ~ 158°F
Relative Humidity	Operating 10% ~ 90%, non-condensing	Operating 5% ~ 95%, non-condensing	Operating 5% ~ 95%, non-condensing	Operating 10% ~ 90%, non-condensing
SIM Card Holder	-	Yes	Yes	-
Service & Maintenance	3 Years	3 Years	3 Years	3 Years
Regulation				
Safety	UL 508*	UL 508*	UL 508*	UL
Certification	CE/FCC/RoHS	CE/FCC/RoHS	CE/FCC/RoHS	CE/FCC/RoHS
Protection Class	IP 30	IP 30	IP30	-
Ordering Information	10IF0161000X0	10IF0261000X0	10IF0361000X0	TBD

* UL 508 under preparation



Main Features

- Dual Intel® Xeon® E2600 V1/2 Processors
- Support DDR3 1333/1600 ECC & REG, up to 384GB
- Modular design supports 5 PCIe LAN Modules
- Support 10G SFP+ & 10G Copper, 1GbE Copper/SFP LANs
- On-board CFAST Socket
- Support Two Swappable 2.5" SATA/SAS HDD
- Support (1 + 1) Redundant Power Supply
- Support LCD Module

Specifications

Main Board

- NSB 7120U
- Dual Intel® Xeon® Processors E5-2600, Socket R, LGA2011
- Support 8 GT/s QPI Speed
- Intel® C604

Main Memory

- 12 x 240-pin DDR3 1333/1600 DIMM Sockets, up to 384GB ECC & REG SDRAM

LAN Features

- Swappable LAN Modules
- LAN Chip: Intel® i350/82599EB
- Support 10/100/1000/10G link speed
- LAN Bypass: ** please see Lan module list information

I/O Interface-Front

- Support 2 x 16 Characters LCD module, PIO interface
- Power status/HDD status/LAN status/Bypass status LEDs
- 2 x 2.5" HDD Swappable bays
- 5 x LAN Module bays
- 2 x USB 2.0 ports
- 1 x RJ45 type Console port
- 1 x Software button
- 2 x Management LAN ports

I/O Interface-Rear

- 3 x Swappable System FANs
- 1 x VGA Port
- 2 x USB 2.0 ports

Devices

- 1 x on-board CFAST socket

Power Input

- 460W 1+1 ATX Redundant Power Supply

Chassis Dimensions

- Chassis Dimension: 430mm x 580mm x 88mm
- Carton Dimension: 640mm x 800mm x 310mm

Weight

- Without packing: 19kg
- With packing: 25kg

Certifications

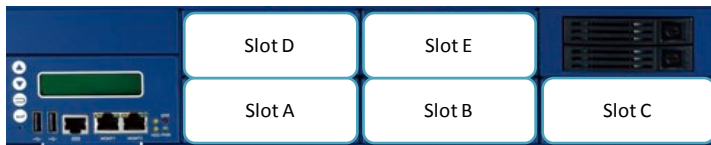
- CE approval
- FCC Class A
- UL

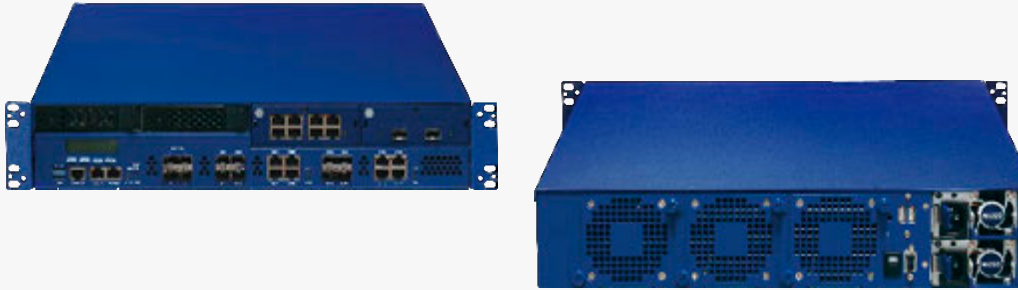
Ordering Information

Barebone

- ♦ **NSA 7120U (P/N : 10500712008X0)**
Support Intel® Xeon® E5 series processors, 12 DDR3 memory slots, Max.42 Gigabit LAN ports, CFast Socket, VGA, USB port, With LCM
- ♦ **NSK 5150R-F8**
PCIe 1GbE module with 8 SFP ports base on Intel® i350 chipset
- ♦ **NSK 5199R-F2**
PCIe 10GbE module with 2 SFP+ ports base on Intel® 82599EB chipset
- ♦ **NSK 5150R-C8**
PCIe 1GbE module with 8 copper ports base on Intel® i350 chipset and 4 pairs dual latch bypass
- ♦ **NSK-CVCK**
PCIe 1GbE module with 4 Copper ports base on Intel® CAVE CREEK SKU4 DH8920CC
- ♦ **NSK-CTCK**
PCIe 1GbE module base on Intel® chipset Coletto Creek: DH8925CL

	P/N Controller	Interface	Type	Port Number	Bypass/Segment	Expansion Slot	Location Slot
NSK 5180R-C8	10SK0515003X0	Intel® i350	PCIe x8	8 Copper	Dual Latch/4	None	All Slot
NSK 5180R-F8	10SK0515002X0	Intel® i350	PCIe x8	8 SFP	None	None	All Slot
NSK 5199R-F2	10SK0519909X0	Intel® 82599	PCIe x8	2 SFP+	None	None	All Slot
NSK-CVCK	TBD	DH8920CC	PCIe x8	4 Copper	Dual Latch/2	None	All Slot
NSK-CTCK	TBD	DH8925CL	PCIe x8	None	None	None	All Slot





Main Features

- Dual Intel® Xeon® E5-2600 V3 Processors
- Support DDR4 1866/2133 ECC & REG, up to 512GB
- On-board 16G LAN Copper/Fibre + 4 x 10G SFP+
- Two LAN Modules Slots
- Support Two Swappable 3.5" SATA/SAS HDD
- Support CRPS (1 + 1) Redundant Power Supply
- 2U, 450mm depth chassis design

Specifications

Main Board

- NSB 7130
- Dual Intel® Xeon® Processors E5-2600 V3
- Support 9.6 GT/s QPI Speed
- Intel® C610
- Support IPMI 2.0

Main Memory

- 16 x 284-pin DDR4 1866/2133 DIMM Sockets, up to 512GB ECC & REG SDRAM

LAN Features

- On board 16 x 1G LAN, Intel® i350, support Copper/Fibre ports
- On board 4 x 10G SFP + Intel® XL710
- Support 10/100/1000/10G link speed
- LAN Bypass: 4 pairs by pass support
- Two LAN Module slots

I/O Interface-Front

- 8 x RJ45, 8 x SFP port, 4 x SFP + ports
- Support 2 x 20 Characters LCD module, SIO interface
- Power status/HDD status/LAN status/Bypass status LEDs
- 2 x 3.5" HDD Swappable bays
- 2 x LAN Module bays
- 2 x USB 2.0 ports
- 1 x RJ45 type Console port
- 1 x Software button
- 2 x Management LAN ports

I/O Interface-Rear

- 3 x Swappable System FANs
- 1 x VGA Port
- 2 x USB 2.0 ports

Devices

- 1 x on-board CFast socket

Power Input

- 500W 1+1 CRPS Redundant Power Supply

Chassis Dimensions

- Chassis Dimension: 430mm x 450mm x 88mm
- Carton Dimension: 640mm x 640mm x 310mm

Weight

- Without packing: 19kg
- With packing: 25kg

Certifications

- CE approval
- FCC Class A
- UL

Ordering Information

Barebone

- ♦ **NSA 7130 (P/N: 10S00713000X0)**
Support Intel® Xeon® E5 series processors V3, 16 DDR4 memory slots, On board 16G LAN + 4 x 10G LAN ports, Two LAN Modules slots, CFast Socket, VGA, USB port, With LCM
- ♦ **NSK 5150R-F8**
PCIe 1GbE module with 8 SFP ports base on Intel® i350 chipset
- ♦ **NSK 5199R-F2**
PCIe 10GbE module with 2 SFP+ ports base on Intel® 82599EB chipset
- ♦ **NSK 5150R-C8**
PCIe 1GbE module with 8 copper ports base on Intel® i350 chipset and 4 pairs dual latch bypass
- ♦ **NSK-CVCK**
PCIe 1GbE module with 4 Copper ports base on Intel® CAVE CREEK SKU4 DH8920CC
- ♦ **NSK-CTCK**
PCIe 1GbE module base on Intel® chipset Coletto Creek: DH8925CL

	P/N Controller	Interface	Type	Port Number	Bypass/Segment	Expansion Slot	Location Slot
NSK 5180R-C8	10SK0515003X0	Intel® i350	PCIe x8	8 Copper	Dual Latch/4	None	All Slot
NSK 5180R-F8	10SK0515002X0	Intel® i350	PCIe x8	8 SFP	None	None	All Slot
NSK 5199R-F2	10SK0519909X0	Intel® 82599	PCIe x8	2 SFP+	None	None	All Slot
NSK-CVCK	TBD	DH8920CC	PCIe x8	4 Copper	Dual Latch/2	None	All Slot
NSK-CTCK	TBD	DH8925CL	PCIe x8	None	None	None	All Slot



Main Features

- 2nd Generation Intel® Core™ Processor Family/ Intel® Xeon® E3 Family
- Support 1333/ 1600 DDR3 SDRAM , up to 16GB
- Support One PCIe8 Expansion
- Internal One 3.5" HDD Bay/Two 2.5" HDD Bay (Optional)

Specifications

Main Board

- NSB 5130
- Support 2nd generation Intel® Core™ processor family/Intel® Xeon® E3 family, Max 95watt
- Intel® C206

Main Memory

- 4 x 240-pin DDR3 Support 1333/1600 MHz DIMM slots, up to 16GB

LAN Features

- LAN Chip: Intel® 82583V
- Support 10/100/1000M/10G link speed
- LAN Bypass: 4 pairs
- LAN module (Optional)

Expansion

- 1x PCIe8 Slot

I/O Interface-Front

- Power status/HDD status/LAN status/Bypass status LED
- 2 x USB 2.0 ports
- 1 x RJ45 type console port
- 8 x Copper LAN ports
- 1 x LAN module (Optional)

I/O Interface-Rear

- 1 x expansion slot
- 2 x USB 2.0 ports (Optional)
- 1 x VGA port (Optional)

Devices

- 1 x on-board CompactFlash socket
- 1 x internal 3.5" HDD bay/two 2.5" HDD Bay (Optional)
- 1 x SATA-DOM device space

Power Input

- 200W ATX Power Supply

Dimensions

- Chassis Dimension: 430mm x 450mm x 44mm
- Carton Dimension: 560mm x 620mm x 190mm

Weight

- Without Packing: 8Kg
- With Packing: 12Kg

Certifications

- CE approval
- FCC Class A
- UL

Ordering Information

Barebone

• NSA 5130 (P/N : 10S00513000X0)

Support 2nd generation Intel® Core™ processor family/Intel® Xeon® E3 family, 4 DDR3 memory slots, 8 PCIe GbE LAN ports, CompactFlash socket, USB ports, one PCIe x8 expansion slot, w/o LCM

• NSA 5130HA (P/N : 10S00513006X1)

Support 2nd generation Intel® Core™ processors, 4 DDR3 memory slots, 8 PCIe GbE LAN ports, CompactFlash socket, USB ports, one PCIe x8 expansion slot, w/o LCM, 200W 1+1 redundant power supply, only support 2.5" HDD Bay

Option

• NSA 5130 VGA kit (P/N : 60233VGA42X00)

NSK 5380-C8

PCIe GbE module with 8 copper ports base on Intel® NH82580EB chipset and 2 pairs dual latch bypass



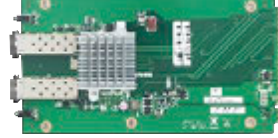
NSK 5380-F8

PCIe GbE module with 8 SFP ports base on Intel® NH82580EB chipset



NSK 5399-F2

PCIe GbE module with 2 SFP+ ports base on Intel® JL82599ES chipset



	P/N	Controller	Interface Type	Port Number	Bypass/Segment
NSK 5380-C8	10SK0538000X0	Intel® 82580EB	PCIe x8	8 Copper	Dual Latch/2
NSK 5380-F8	10SK0538001X0	Intel® 82580EB	PCIe x8	8 SFP	None
NSK 5380-C4F4	10SK0538002X0	Intel® 82580EB	PCIe x8	4 Copper/4 SFP	Dual Latch/2
NSK 5380-F4	10SK0538003X0	Intel® 82580EB	PCIe x8	4 SFP	None
NSK 5399-F2	10SK0539900X0	Intel® 82599EB	PCIe x8	2 SFP+	None
NSK 5350-C8	10SK0535006X0	Intel® I350	PCIe x8	8 Copper	Dual Latch/2
NSK 5350-F8	10SK0535002X0	Intel® I350	PCIe x8	8 SFP	None
NSK 5350-C4F4	10SK0535004X0	Intel® I350	PCIe x8	4 Copper/4 SFP	Dual Latch/2
NSK 5350-F4B	10SK0535000X0	Intel® I350	PCIe x8	4 SFP	Dual Latch/2
NSK 5399-F2B	10SK0539902X0	Intel® 82599EB	PCIe x8	2 SFP	Dual Latch/1



Main Features

- 1U rackmount network platform
- 4th generation Intel® Core™ processors
- Support four DDR3 1333/1600 memory, up to 32GB
- Support one PCIe8 expansion
- Internal one 3.5" HDD bay/two 2.5" HDD bay (Optional)

Specifications

Main Board

- NSB 5150
- Support 4th generation Intel® Core™ processors
- Intel® C226

Main Memory

- 4 x 240-pin DDR3 1333/1600MHz DIMM sockets, up to 32GB ECC SDRAM

LAN Features

- LAN Chip: Intel® I350
- Support 10/100/1000 link speed
- LAN Bypass: 4pairs

Expansion

- 1 x PCIe4 Slot
- 1 x Lan Module

I/O Interface-Front

- Power status/HDD status/LAN status/Bypass status LEDs
- 2 x USB 2.0 ports
- 1 x RJ45 type console port
- 8 x copper LAN ports
- 1 x LAN Module (Optional)

I/O Interface-Rear

- 1 x expansion slot
- 2 x USB 2.0 ports
- 1 x VGA port

Devices

- 1 x MO-297 socket
- 1 x internal 3.5" HDD bay/two 2.5" HDD Bay (Optional)
- 1 x SATA-DOM device space

Power Input

- 250W ATX power supply/200W 1+1 redundant power supply (Optional)

Dimensions

- Chassis Dimension: 430mm x 450mm x 44mm
- Carton Dimension: 560mm x 620mm x 190mm

Weight

- Without Packing: 8Kg
- With Packing: 12Kg

Certifications

- CE approval
- FCC Class A
- UL

Ordering Information

Barebone

- ◆ **NSA 5150(P/N: 10S00515000X0)**

Support 4th generation Intel® Core™ processors, 4 DDR3 memory slots, 8PCIe GbE LAN ports, MO-297 socket, USB ports, VGA port, one PCIe4 expansion slot, w/o LCM

- ◆ **NSK 5350-C8**

PCIe 1GbE module with 8 copper ports base on Intel® I350 chipset and 2 pairs dual latch bypass

- ◆ **NSK 5350-F8**

PCIe 1GbE module with 8 SFP ports base on Intel® I350 chipset

- ◆ **NSK 5350-C4F4**

PCIe 1GbE module with 4 copper and 4 SFP ports base on Intel® I350 chipset and 2 pairs dual latch bypass

- ◆ **NSK 5399-F2**

PCIe 10GbE module with 2 SFP ports base on Intel® 82599EB chipset

- ◆ **NSK-CVCK**

PCIe 1GbE module with 4 Copper ports base on Intel® CAVE CREEK SKU4 DH8920CC

- ◆ **NSK-CTCK**

PCIe 1GbE module base on Intel® chipset Coletto Creek: DH8925CL

	P/N	Interface	Port Number	Bypass/Segment
NSK 5350-C8	10SK0535007X0	Intel® I350	8 Copper	Dual Latch/2
NSK 5350-F8	10SK0535003X0	Intel® I350	8 SFP	None
NSK 5350-C4F4	10SK0535005X0	Intel® I350	4 Copper/4 SFP	Dual Latch/2
NSK 5399-F2	10SK0539900X0	Intel® 82599	2 SFP+	None
NSK-CVCK	10SK0CVCK01X0	DH8920CC	4 Copper	Dual Latch/2
NSK-CTCK	10SK0CTCK01X0	DH8925CL	None	None



Main Features

- 1U Rackmount Network Platform
- 2nd Generation Intel® Core™ Processor Family/Intel® Xeon® E3 Family
- Support 1333/1600 SDRAM Memory, up to 16GB
- Support Two PCIe8 Expansion
- Internal One 3.5" HDD Bay/Two 2.5" HDD Bay (Optional)
- Support Redundant Power Supply (Optional)

Specifications

Main Board

- OSB 5130
- Support 2nd generation Intel® Core™ processor family/Intel® Xeon® E3 family
- Intel® C206

Main Memory

- 4 x 240-pin DDR3 Support 1333/1600MHz DIMM slots, up to 16GB

LAN Features

- LAN Chip: Intel® 82583V
- Support 10/100/1000 link speed
- LAN Bypass: 4 pairs

Expansion

- 2 x PCIe8 Slot

I/O Interface-Front

- Power status/HDD status/LAN status/Bypass status LED
- 2 x USB 2.0 ports
- 1 x RJ45 type console port
- 8 x Copper LAN ports

I/O Interface-Rear

- 2 x expansion slots
- 2 x USB 2.0 ports (Optional)
- 1 x VGA port (Optional)

Devices

- 1 x On-board CompactFlash socket
- 1 x internal 3.5" HDD bay/two 2.5" HDD Bay (Optional)
- 1 x SATA-DOM device space

Power Input

- 200W ATX power supply/200W 1+1 redundant power supply (Optional)

Dimensions

- Chassis Dimension: 426mm x 450mm x 44mm

- Carton Dimension: 560mm x 620mm x 190mm

Weight

- Without Packing: 8Kg
- With Packing: 12Kg

Certifications

- CE approval
- FCC Class A
- UL

Ordering Information

Barebone

• OSA 5130 (P/N: 10SV0513000X0)

Support Intel® 2nd generation Core™ processors, 4 DDR3 memory slots, 8 PCIe GbE LAN ports, CompactFlash socket, USB ports, two PCIe8 expansion slot, w/o LCM, 200W ATX power supply

• OSA 5130 HA (P/N: 10SV0513002X1)

Support Intel® 2nd generation Core™ processors, 4 DD R3 memory slots, 8 PCIe GbE LAN ports, CompactFlash socket, USB ports, two PCIe8 expansion slot, w/o LCM, 200W 1+1 redundant power supply only support 2.5" HDD Bay

Option

• OSA 5130 LCM & MEMBRANE (P/N: 88SV0513000X0)



Main Features

- Intel® Pentium® Processor B915C, BGA type
- Support Two DDR3 1333/1600 Memory, up to 16GB
- Support One PCIe8 Expansion
- Internal One 3.5" HDD Bay/Two 2.5" HDD Bay (Optional)
- Support redundant power supply (Optional)

Specifications

Main Board

- NSB 3120
- Pentium® Processor B915C, 3MB Cache, 1.50 GHz, BGA type
- Intel® Communications Chipset DH8910 PCH

Main Memory

- 2 x 240-pin DDR3 1333/1600MHz DIMM sockets, up to 16GB ECC or non-ECC SDRAM

LAN Features

- LAN Chip: Intel® i210
- Support 10/100/1000 link speed
- LAN Bypass: 2 pairs
- 6 x copper ports
- 2 x Fiber ports (SFP)

Expansion

- 1 x PCIe8 Slot

I/O Interface-Front

- Power status/HDD status/LAN status/Bypass status LEDs
- 2 x USB 2.0 ports
- 1 x RJ45 type console port
- 6 x copper ports
- 2 x Fiber ports

I/O Interface-Rear

- 1 x PCIe8 expansion slots
- 2 x USB 2.0 ports
- 1 x VGA port

Devices

- 1 x On-board CFAST socket
- 1 x Internal 3.5" HDD bay/Two 2.5" HDD Bay (Optional)
- 1 x SATA-DOM device space

Power Input

- 250W ATX power supply
- 220W Redundant power supply (Optional)

Dimensions

- Chassis Dimension: 426mm x 365mm x 44mm
- Carton Dimension: 560mm x 570mm x 190mm

Weight

- Without Packing: 6.5Kg
- With Packing: 10Kg

Certifications

- CE approval
- FCC Class A
- UL

Ordering Information

Barebone

- **NSA 3120-C6F2 (P/N: 10S00312000X0)**
Intel® Pentium® Processor B915C, 2 DDR3 memory slots, 6 Copper + 2 SFP LAN ports, CFAST socket, USB ports, VGA port, PCIe8 expansion slot, w/o LCM, Single power supply



Main Features

- 1U Rackmount Network Platform
- 2nd Generation Intel® Core™ Processor Family
- Support DDR3 1333/1600 Memory, up to 8GB
- 8 x GbE LAN Ports
- Support One PCIe8 Expansion
- Internal One 3.5" HDD Bay/Two 2.5" HDD Bay (Optional)

Specifications

Main Board

- NSB 3130
- Support 2nd generation Intel® Core™ processor family
- Intel® H61

Main Memory

- 2 x 240-pin DDR3 1333/1600 MHz DIMM slots, up to 8GB ECC/non-ECC SDRAM

LAN Features

- LAN Chip: Intel® 82583V
- Support 10/100/1000 link speed
- LAN Bypass: 4 pairs

Expansion

- 1 x PCIe8 Slot

I/O Interface-Front

- Power status/HDD status/LAN status/bypass status LEDs
- 2 x USB 2.0 ports
- 1 x RJ45 type console port
- 8 x Copper LAN ports

I/O Interface-Rear

- 1 x expansion slot
- 2 x USB 2.0 ports
- 1 x VGA port

Devices

- 1 x internal 3.5" HDD bay/Two 2.5" HDD Bay (Optional)
- 1 x SATA-DOM device space
- 1 x CFast socket/1 x CompactFlash Socket (Optional)

Power Input

- 200W ATX power supply

Dimensions

- Chassis Dimension: 426mm x 365mm x 44mm
- Carton Dimension: 560mm x 570mm x 190mm

Certifications

- CE approval
- FCC Class A
- UL

Ordering Information

Barebone

• NSA 3130 (P/N: 10S00313000X1)

Support 2nd generation Intel® Core™ processor family, 2 DDR3 memory slots, 8 PCIe GbE LAN ports, CFast socket, USB ports, VGA port, one PCIe8 expansion slot, w/o LCM

Option

• NSA 3130-C4 (P/N: 10S00313001X1)

Support 2nd generation Intel® Core™ processor family, 2 DDR3 memory slots, 4 GbE LAN ports, CFast socket, USB ports, VGA port, one PCIe8 expansion slot, w/o LCM



Main Features

- 1U rackmount network platform
- 4th generation Intel® Core™ processors
- Support two DDR3 1333/1600 memory, up to 16GB
- Support one PCIe x8 expansion
- Internal one 3.5" HDD bay/two 2.5" HDD bay (Optional)

Specifications

Main Board

- NSB3150
- Support 4th generation Intel® Core™ processors
- Intel® H81

Main Memory

- 2 x 240-pin DDR3 1333/1600MHz DIMM sockets, up to 16GB non-ECC SDRAM

LAN Features

- LAN chip: Intel® I211
- Support 10/100/1000 link speed
- LAN bypass: 4pairs

Expansion

- 1 x PCIe x8 slot
- 1 x LAN module (Optional Support)

I/O Interface-Front

- Power status/HDD status/LAN status/Bypass status LEDs
- 2 x USB 2.0 ports
- 1 x RJ45 type console port
- 8 x copper LAN ports
- 1 x LAN module

I/O Interface-Rear

- 1 x expansion slot (optional)
- 2 x USB 2.0 ports
- 1 x VGA port

Devices

- 1 x internal 3.5" HDD bay/two 2.5" HDD bay (optional)
- 1 x SATA-DOM device space

Power Input

- 250W ATX power supply

Dimensions

- Chassis dimension: 430mm x 400mm x 44mm
- Carton dimension: TBD

Weight

- Without packing: 8Kg
- With packing: 12Kg

Certifications

- CE approval
- FCC Class A
- UL

Ordering Information

Barebone

• NSA 3150 (P/N : 10S00315000X0)

Support 4th generation Intel® Core™ processors, 2 DDR3 memory slots, 8PCIe GbE LAN ports, USB ports, VGA port, w/o LCM



Main Features

- 1U Rackmount Network Platform
- Intel® Atom™ D525 Dual Core/D425 Single Core 1.8GHz Processor
- Support DDR3/800 Memory, up to 2GB
- 6 x GbE LAN Ports
- Support LAN Bypass
- Internal one 3.5" HDD Bay/two 2.5" HDD Bay (Optional)
- Support LCD Module (Optional)

Specifications

Main Board

- NSB 1120
- Support Intel® Atom™ D525 Dual Core/D425 Single Core 1.8GHz Processor
- Intel® ICH8M Chipset

Main Memory

- 1 x 204-pin DDR3 800 SO-DIMM slot, up to 2GB Non-ECC SDRAM

LAN Features

- LAN Chip: Intel® 82583V
- Support 10/100/1000 link speed
- LAN Bypass: 2 pairs

Expansion

- 1 x PCI Slot (Optional)

I/O Interface-Front

- Support 2 x 16 Characters LCD Module, PIO interface (Optional)
- Power status/HDD status/LAN status/Bypass status LEDs
- 2 x USB 2.0 Ports
- 1 x RJ45 type Console Port
- 1 x software button
- 6 x Copper LAN Ports
- 1 x PCI Expansion (Optional)

I/O Interface-Rear

- 2 x USB 2.0 Ports
- 1 x VGA Port

Devices

- 1 x CompactFlash Socket (Optional)
- 1 x Internal 3.5" HDD bay
- 1 x SATA-DOM device space

Power Input

- 100W ATX Power supply

Dimensions

- Chassis Dimension: 426mm x 238mm x 44mm
- Carton Dimension: 556mm x 384mm x 185mm

Weight

- Without Packing: 5.6kg
- With Packing: 8kg

Certifications

- CE approval
- FCC Class A
- UL

Ordering Information

Barebone

• NSA 1120 (P/N: 10S00112000X0)

Intel® Atom™ D425 Single Core 1.8 GHz Processor, 1 DDR3 memory slot, 6 Gigabit LAN ports with two pairs bypass, VGA, USB port, w/o LCM

• NSA 1120A (P/N: 10S00112001X0)

Intel® Atom™ D525 Dual Core 1.8 GHz Processor, 1 DDR3 memory slot, 6 Gigabit LAN ports with two pairs bypass, VGA, USB port, w/o LCM

• NSA 1120-C4 (P/N: 10S00112002X0)

Intel® Atom™ D425 Single Core 1.8 GHz Processor, 1 DDR3 memory slot, 4 Gigabit LAN ports with two pairs bypass, VGA, USB port, w/o LCM

• NSA 1120A-C4 (P/N: 10S00112003X0)

Intel® Atom™ D525 Dual Core 1.8 GHz Processor, 1 DDR3 memory slot, 4 Gigabit LAN ports with two pairs bypass, VGA, USB port, w/o LCM

Options

• NSA 1120/NSA 1120A LCM & MEMBRANE (P/N: 88S00112000X0)

• NSA 1120-C4/NSA 1120A-C4 LCM & MEMBRANE (P/N: 88S0011201X0)



Main Features

- Intel® Atom™ processor C2358, 2 Core 1.7 GHz with Quick Assist, BGA type
- DDR3-1600 long-DIMM ECC memory, Max. 32GB
- Support 6 PCIe GbE LAN ports
- Support 2 ports LAN module(optional)
- Internal one 2.5" HDD bay
- Two pairs dual latch bypass

Specifications

Main Board

- NSB1150
- Intel® Atom™ processor C2358, 2 Core 1.7 GHz with Quick Assist, BGA type

Main Memory

- DDR3 1333/1600 long-DIMM ECC /non ECC memory, Max. 32GB

LAN Features

- 2 x LAN chip: Intel® i211
- 1 x MARVELL PHY: 88E1543
- Support 10/100/1000 link speed
- LAN bypass: 2 pairs
- 6 x copper ports
- Support 2 ports LAN module (optional)

Expansion

- 1 x PCIe4 slot (optional)

I/O Interface-Front

- 2 x USB 2.0 ports
- 1 x RJ45 type console port
- 6 x copper ports
- 1 x reset button

I/O Interface-Rear

- 2 x USB 2.0 ports
- 1 x VGA port

Storage

- 1 x 2.5" HDD bay
- 1 x CF socket

Power Input

- 65W Power supply

Dimensions

- Chassis dimension: 430mmx 260mm x 44mm

Weight

- Without packing: 5Kg
- With packing: 7Kg

Certifications

- CE/FCC/UL

Ordering Information

Barebone

- **NSA 1150 (P/N: 10S00115000X0)**
Intel® Atom™ processor C2358/2 cores 1.7G ,BGA type, 2 DDR3 memory slots, 6 copper LAN ports ,CF socket , USB ports, VGA port
- **NSA 1150A (P/N: 10S00115001X0)**
Intel® Atom™ processor C2558/4 cores 2.4G ,BGA type, 2 DDR3 memory slots, 6 copper LAN ports ,CF socket , USB ports, VGA port



Main Features

- Intel® Atom™ processor E3815, BGA type
- DDR3L- SO-DIMM memory, Max. 8GB
- Support 2 Giga LAN ports
- Support 8 GbE switch ports
- Support one Mini-PCIe slot

Specifications

Main Board

- DNB125B
- Intel® Atom™ processor E3815, BGA type

Memory

- DDR3L 1066 SO-DIMM memory, Max. 8GB

LAN Features

- 2 x LAN Chip: Intel® i211-AT
- 8 x Broadcom 53128 Switch ports
- Support 10/100/1000 link speed

Expansion

- 1 x mini-PCIe slot

I/O Interface-Front

- Power status/HDD status/Power Button

I/O Interface-Rear

- 2 x USB 2.0 ports
- 1 x RJ45 type console port
- 2 x giga ports
- 8 x switch ports
- 1 x VGA port
- 1 x DC power input
- 1 x Reset Button

Devices

- 1 x Internal SATA DOM
- 1 x 2.5" HDD

Power Input

- 40W power Adapter

Dimensions

- Chassis Dimension: TBD
- Carton Dimension: TBD

Weight

- Without Packing: 2Kg
- With Packing: 4Kg

Standards/Certifications

- CE approval
- FCC Class B
- UL

Ordering Information

♦ DNA 125B (P/N: 10L00012501X0)

Intel® Bay Trail SoC E3815 single core , BGA type, 1 DDR3 SO-DIMM slots, 2 Giga LAN ports ,SATA DOM socket , USB ports, VGA port, Mini PCIe slot



Main Features

- Intel® Atom™ processor E3815, BGA type
- DDR3- SO-DIMM memory, Max. 8GB
- Support 4 PCIe GbE LAN ports
- Support one mini-PClex1 slot (Optional)

Specifications

Main Board

- DNB120
- Intel® Atom™ processor E3815, BGA type

Memory

- DDR3 1066 SO-DIMM memory, Max. 8GB

LAN Features

- 4 x LAN Chip: Intel® i211-AT
- Support 10/100/1000 link speed
- 4 x copper ports

Expansion

- 1 x mini-PCle slot (Optional)

I/O Interface-Front

- Power status/HDD status/Power Button

I/O Interface-Rear

- 2 x USB 2.0 ports
- 1 x RJ45 type console port
- 4 x Copper ports
- 1 x VGA port
- 1 x DC power input
- 1 x Reset Button

Devices

- 1 x Internal SATA DOM

Power Input

- 40W power Adapter

Dimensions

- Chassis Dimension: 202.4mm x 110.1mm x 44mm
- Carton Dimension: 229mm x 197mm x 125mm

Weight

- Without Packing: 2Kg
- With Packing: 4Kg

Standards/Certifications

- CE approval
- FCC Class B
- UL

Ordering Information

- **DNA 120 (P/N: 10L00012000X0)**
4th generation Intel® Atom™ processor E3815 single core, BGA type,
1 DDR3 SO-DIMM slots, 4 Copper LAN ports, SATA DOM socket, USB
ports, VGA port, mini-PCle slot (Optional)



Main Features

- Desktop Network Platform
- Intel® Atom™ D525 Dual Core/D425 Single Core 1.8GHz Processor
- Support DDR3 800 Memory up to 2GB
- 4 x GbE LAN Ports
- Support LAN Bypass
- One PCI Expansion
- On-board CF Socket
- Internal one 2.5" HDD Bay

Specifications

Main Board

- DNB 1120
- On board Intel® Atom™ D525 Dual Core/D425 Single Core 1.8 GHz Processor
- Intel® ICH8M Chipset

Main Memory

- 1 x 204-pin DDR3 800 SO-DIMM slot, up to 2GB Non-ECC SDRAM

LAN Features

- LAN Chip: Intel® 82583V
- Support 10/100/1000 link speed
- LAN Bypass: 1 pair

Expansion

- 1 x PCI Slot
- 1 x mini-PCI Slot
- 1 x PCI-e Slot (Optional)
- 1 x mini-PCIe Slot (Optional)

I/O Interface-Front

- Power status/HDD status/LAN status LEDs

I/O Interface-Rear

- 1 x Power button
- 1 x RJ45 type Console port
- 2 x USB 2.0 ports
- 4 x Copper LAN ports
- 1 x PCI Expansion Slot

Devices

- 1 x on-board CompactFlash socket
- 1 x Internal 2.5" HDD bay
- 1 x SATA DOM device
- 1 X VGA port

Power Input

- 45W Power Adaptor

Dimensions

- Chassis Dimension: 272mm x 195mm x 44mm
- Carton Dimension: 430mm x 300mm x 170mm

Weight

- Without Packing: 2kg
- With Packing: 4kg

Certifications

- CE approval
- FCC Class B
- UL

Ordering Information

Barebone

• DNA 1120 (P/N: 10L00112000X0)

Intel® Atom™ D425 Single Core 1.8GHz Processor, one DDR3 memory slot, 4 Gigabit LAN ports with one pair bypass, CompactFlash Socket, VGA, USB port, One mini-PCI Slot, one PCI expansion slot

• DNA 1120A (P/N: 10L00112001X0)

Intel® Atom™ D525 Dual Core 1.8GHz Processor, one DDR3 memory slot, 4 Gigabit LAN ports with one pair bypass, CompactFlash Socket, VGA, USB port, One mini-PCI Slot, one PCI expansion slot

• DNA 1120E (P/N: 10L00112002X0)

Intel® Atom™ D425 Single Core 1.8GHz Processor, one DDR3 memory slot, 4 Gigabit LAN ports with one pair bypass, CompactFlash socket, VGA, USB port, one mini-PCIe Slot, one PCIe expansion slot

• DNA 1120AE (P/N: 10L00112003X0)

Intel® Atom™ D525 Dual Core 1.8GHz Processor, one DDR3 memory slot, 4 Gigabit LAN ports with one pair bypass, CompactFlash socket, VGA, USB port, one mini-PCIe slot, one PCIe expansion slot

DNA 1150

Intel® Atom™ Processor C2358, 2 Cores 1.7G
with Quick Assist, BGA type, with 6 PCIe GbE LAN ports



Main Features

- Intel® Atom™ processor C2358, 2 Cores/1.7G with Quick Assist, BGA type
- DDR3 1333MHz Long-DIMM sockets, up to 16GB ECC or non-ECC SDRAM
- Support 6 PCIe GbE LAN ports
- Support one mini-PCIex1 slot
- Internal one 2.5" HDD Bay
- Two pairs dual latch bypass

Specifications

Main Board

- DNB 1150
- Intel® Atom™ processor C2358, BGA type
- 2 Cores/1.7G

Main Memory

- 2 x 240-pin DDR3 1333MHz DIMM sockets, up to 16GB ECC or non-ECC SDRAM

LAN Features

- 2 x LAN Chip: Intel® i210
- MARVELL PHY 88E1543
- Support 10/100/1000 link speed
- LAN Bypass: 2 pairs
- 6 x copper ports

Expansion

- 1 x Mini-PCIe slot

I/O Interface-Front

- Power status/HDD status/LAN status

I/O Interface-Rear

- 2 x USB 2.0 ports
- 1 x RJ45 type console port
- 6 x copper ports
- 1 x VGA port
- 1 x Power Button

Devices

- 1 x On-board MO-297 socket
- 1 x Internal 2.5" HDD Bay

Power Input

- 40W power Adapter

Dimensions

- Chassis Dimension: 272mm x 194.7mm x 44mm
- Carton Dimension: 420mm x 290mm x 147mm

Weight

- Without Packing: 2.5Kg
- With Packing: 5Kg

Certifications

- CE
- FCC
- UL

Ordering Information

Barebone

• DNA 1150 (P/N: 10L00115000X0)

Intel® Atom™ Processor C2358, 2 Cores 1.7G, BGA type, 2 DDR3 memory slots, 6 copper LAN ports ,MO-297 socket , USB ports, VGA port, mini-PCIe slot



Main Features

- Desktop Network Platform
- Intel® Atom™ D525 Dual Core/D425 Single Core 1.8GHz Processor
- 2GB on board DDR3 800 Memory, and one DDR3 SO-DIMM up to 4GB
- 6 x Intel® 82583V GbE LAN Ports
- Support LAN Bypass
- Internal one 2.5" HDD Bay/one SATA DOM (Optional)
- Fanless design

Specifications

Main Board

- DNB 2120
- Support Intel® Atom™ D525 Dual Core/D425 Single Core 1.8GHz
- Intel® ICH8M Chipset

Main Memory

- Onboard 2GB DDR3 800 Memory (Default)
- 1 x 204-pin DDR3 800 SO-DIMM slot, up to 4GB Non-ECC SDRAM

LAN Features

- LAN Chip: Intel® 82583V
- Support 10/100/1000 link speed
- LAN Bypass: 1 pairs

Expansion

- 1 mini-PCIe Slot (Optional)

I/O Interface-Front

- Power status/LAN status/Bypass status LED

I/O Interface-Rear

- 1 x Power button
- 1 x RJ45 type Console Port
- 2 x USB 2.0 Ports
- 6 x Copper LAN Port
- 2 x holes for Wireless Antenna

Devices

- 1 x CompactFlash Socket (Optional)
- 1 x 2.5" HDD bay
- 1 x SATA-DOM device space

Power Input

- 40W Power Adapter

Dimensions

- Chassis Dimension: 250mm x 194mm x 40mm
- Carton Dimension: 430mm x 300mm x 170mm

Weight

- Without Packing: 2kg
- With Packing: 3.3kg

Certifications

- CE approval
- FCC Class B
- UL

Ordering Information

Barebone

- **DNA 2120 (P/N: 10L00212000X0)**
Intel® Atom™ D425 Single Core 1.8 GHz Processor, 1 DDR3 SO-DIMM memory slot, 6 Gigabit LAN ports with two pairs bypass, USB port
- **DNA 2120A (P/N: 10L00212001X0)**
Intel® Atom™ D525 Dual Core 1.8 GHz Processor, 1 DDR3 SO-DIMM memory slot, 6 Gigabit LAN ports with two pairs bypass, USB port



Main Features

- Freescale P1010 QorIQ Processor, 800MHz Processor
- On board DDR3 1GB Memory
- Support two mini-PCIe Expansion
- 2 Giga LAN ports and 4 Giga switch ports
- On board 256MB NAND Flash
- One LAN port support PoE function

Specifications

Main Board

- DNB 2610
- Freescale P1010 QorIQ Processor, 800MHz Processor
- RTL8367RB-CG GbE Switch

Main Memory

- DDR3 1GB Memory

LAN Features

- Support 10/100/1000 link speed
- 2 x Giga Lan ports
- 4 x Giga Switch ports

Expansion

- 2 x mini-PCIe Slot

I/O Interface-Front

- Power/Status/mini-PCIe status LEDs

I/O Interface-Rear

- 1 x USB 2.0 port
- 1 x DB9 type console port
- 2 x Copper LAN ports
- 4 x Giga Switch ports
- 1 x Power input

Power Input

- 40W Power Adaptor

Dimensions

- Chassis Dimension: 230mm x 187mm x 30mm
- Carton Dimension: 290mm x 283mm x 150mm

Weight

- Without Packing: 1.2kg
- With Packing: 2kg

Certifications

- CE approval
- FCC Class A

Ordering Information

Barebone

• DNA 2610 (P/N: 10L00261000X1)

Freescale P1010 QorIQ Processor, 800MHz Processor , 1G DDR3 memory , 2 LAN ports, 4 Giga Switch ports, 1 USB port, 1 console port, 2 mini-PCIe expansion slot



Main Features

- DIN Rail System
- On-board Intel® Atom™ E620 CPU
- Intel® EG20T chipset
- On-board 512MB DDR2 800 memory
- Support 2 GbE LAN ports
- Support one SATA-DOM or One SATA 2.5" SSD(Optional)
- Fanless design System

Specifications

Main Board

- ISB 1110
- Support Intel® Atom™ E620 series processor
- Intel® EG20T chipset

Main Memory

- On-board 512MB DDR2 800 memory

LAN Features

- LAN Chip: Intel® 82574L
- Support 10/100/1000 link speed

Expansion

- 1 x mini-PCIe Slot

I/O Interface-Front

- 2 x USB ports
- 2 x RJ45 GbE LAN ports
- 1 x DB9 Serial port
- Power/HDD/GPIO/LEDs

I/O Interface-Rear

- 1 x DB15 VGA port
- 1 x DB15 male connector for 8CH General Purpose Input
- 1 x DB15 male connector for 8CH General Purpose Output
- 3-pin DC input, support 12 VDC input and 24 VDC input
- 1 x Power on/off switch

Devices

- 1 x SATA-DOM device space (Default)
- 1 x SATA 2.5" SSD space(Optional)

Dimensions

- Chassis Dimension: 59mm x 140mm x167mm

Environment

- Operating temperature:
Ambient with air flow: -5°C ~ 55°C
(According to IEC60068-2-1, IEC60068-2-2, IEC60068-2-14)

- Storage temperature: -20°C ~ 80°C
- Relative humidity: 10% ~ 93% (non-condensing)
- Shock protection: 20G, half sine, 11ms, IEC60068-2-27
- Vibration protection
Random: 0.3Grms @5 ~ 500 Hz according to IEC68-2-64
Sinusoidal: 0.3Grms @5 ~ 500 Hz according to IEC68-2-6

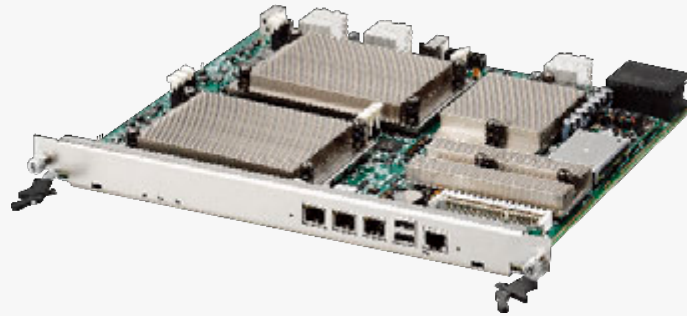
Certifications

- CE approval
- FCC Class A

Ordering Information

Barebone

- **ISA 1110(P/N: TBD)**
Intel® Atom™ E620 Processor, On-board 512MB DDR2 800MHZ memory, 2 Gigabit LAN ports, USB port, 1 VGA port
- **12V, 60W AC/DC power adapter (P/N: 7400060014X00)**
- **Aluminum DIN Rail mounting kit (P/N: 88J00009001X0)**
- **Wall mount kit (P/N: 88J00009002X0)**



Main Features

- Dual Freescale QorIQ T4240 processors, up to 1.8G
- 6 DDR3 VLP ECC memory DIMMs, up to 128GB main memory
- 2 x 40GbE-KR4 fabric interface
- 3 x 10/100/1000BASE-T ports on front panel

Specifications

Main Board

- TCP 9620
- Dual Freescale QorIQ T4240 processors, up to 1.8G
- Broadcom 56844 switch

Main Memory

- 6 x DDR3 VLP ECC memory DIMMs

I/O Interface-Front

- 1 x RJ45 type console port
- 3 x 10/100/1000BASE-T ports
- 2 x USB 2.0 type A ports

Zone 3 (Rear Transition Module)

- 2 x SD signals from CPU0, 1
- 2 x SATA
- I2C, PWR/GND and some control signals.
- IPMB
- 4 x PCIe4 (from CPU0,1)

Zone 2

- 2 x 40GbE-KR4 fabric
- 2 x 1GBASE-T

Power Input

- Dual-redundant -48/-60 VDC rail
- Input range: -39 to -72 VDC

Dimensions

- Blade size: 280mm x 322.5mm, single slot
- Carton dimension: TBD

Weight

- Without packing: 5KG
- With packing: TBD

Compliance

- FCC class A, CE mark
- Certified to UL
- Designed to meet NEBS and ETSI requirements
- Compliant to PICMG 3.0 R3.0 and PICMG 3.1 option 1/9

Ordering Information

• TCP 9620 (P/N: TBD)

Support dual Freescale QorIQ T4240 processor, 6 x DDR3 VLP memory DIMMs, 1 x RJ45 console port, 2 x USB ports, 3 x 10/100/1000BASE-T ports



Main Features

- Stateful packet firewall
- Intrusion prevention
- SSL VPN secure connection
- RS-232/485 serial communication
- Versatile logging & report system
- Centralized management

Product Overview

The Henge™ industrial firewall series is a fully integrated industrial multi-port firewall router with VPN function. The fully equipped, broadband-capable firewall router offers a stateful packet inspection firewall, denial-of-service(DoS)/distributed denial-of-service (DDoS) protection and intrusion prevention, portscan detection, and real-time alerts. It gives additional protection for machinery and equipment installed on the secure side of the firewall. Equipped with SSL VPN functions, the Henge™ industrial firewall provides a remote access infrastructure to secure connections, and helps machine builder/system integrator to design easily maintained systems. Furthermore, its tough fully-rugged design is ideal for harsh environment application.

Pairing VPN capabilities, the Henge™ industrial firewall series is an ideal endpoint connectivity and security solution for industrial automation, process control, energy and medical instrument remote management application.

Specifications

Network Security

- Stateful Packet Firewall
- Intrusion Prevention
- Multiple Public IPs
- SNMP support
- VoIP/SIP support
- Portscan Detection
- DoS and DDoS Protection
- SYN/ICMP Flood Protection
- DNS Proxy/Routing

Multi-WAN/Failover

- Supports multiple Uplinks/WANs: Ethernet (Static/DHCP), PPPoE, ADSL
- Automatic WAN Uplink Failover
- Monitoring of WAN Uplinks

Traffic shaping

- Bandwidth Management

User Authentication

- Active Directory /NTLM
- LDAP
- Local

Network Address Translation

- Destination NAT
- Incoming Routed Traffic
- One-to-One NAT
- Source NAT (SNAT)
- IPSec NAT Traversal

High Availability

- Hot Standby (active/passive)
- Node Data/Configuration Synchronization

Bridging

- Firewall Stealth Mode
- OSI-layer 2 firewall-function
- Spanning tree
- Unlimited bridges
- Unlimited interfaces per bridge

VPN (Virtual Private Network)

- IPsec
 - Encryption; 3DES, AES 128/256-bit,MD5, SHA1
 - Diffie Hellman (2, 5, 14, 15, 16,17,18)
 - Authentication: Pre-Shared Key, RSA Keys X.509-certificates IKEv1, L2TP

- DPD (Dead Peer Detection)
- NAT-Taversal
- Compression
- PFS (Perfect Forward Secrecy)
- VPN Site-to-site
- VPN Client-to-Site (Road warrior)
- Integrated Certificate Authority
- True SSL/TLS VPN (OpenVPN)
 - Encryption; DES, 3DES, AES 128/192/256-bit, CAST5, Blowfish
 - Authentication: Pre-Shared Key, X.509-certificates, Certification Authority, and Local
 - Support for VPN over HTTPS Proxy (OpenVPN)
 - PPTP Passthrough
 - VPN Client-to-Site (Road warrior)
 - VPN Client for Microsoft Windows, Mac OS X and Linux
 - Multiple logins per user
 - VPN Failover

Services

- Event notification & handling
- NTP (Network Time Protocol)
- DHCP Server
- SNMP Server
- DynDNS

Logs and Reports

- Customizable Real-time Dashboard
- Live Log Viewer (AJAX based)
- Detailed User Based Web Access Report
- Network/System/Performance Statistics
- Rule-based logging settings (Firewall Rules)
- Syslog: Local or Remote
- openTSA trusted time stamping

Management

- Easy Web-based Administration (SSL)
- Secure Remote SSH/SCP Access
- Centralized Management (via SSL)

Updates and Backup

- Centralized updates through Henge™ network
- Scheduled Backup
- Encrypted Backups via e-mail
- Instant Recovery/Backup to USB Stick

Routing

- Static Routes
- Source-based Routing
- Destination-based Routing
- Policy-based Routing (based on interface, MAC, protocol, or port)

Hardware Specification

- 1 x 10/100/1000 Base-T Ethernet WAN
- 1 x 10/100/1000 Base-T Ethernet LAN
- 2 x USB
- RS-232/422/485
- microSD 4GB

Physical and Power

- DIN Rail/Wall Mount
- Fanless
- Dimension (HxWxD): 114mm x 28mm x 100mm
- IP30
- Power Input 24 VDC

Environmental Specification

- Operating Temperature: 0°C ~ 60°C/32°F ~ 140°F
- Storage Temperature: -20°C ~ 70°C/-4°F ~ 158°F
- Humidity: 5% ~ 95%, non-condensing

Certification

- FCC/CE/RoHS

Package Content

- IFA 1610 x 1
- QIG x 1
- Power Input 5.08mm Terminal Block x 1

Ordering Information

- **IFA 1610 (P/N: 10IF0161000X0)**



Main Features

- Stateful packet firewall
- Intrusion prevention
- SSL VPN secure connection
- DI/DO support
- Centralized management
- Wide temperature range, up to 70°C (158°F)

Product Overview

The Henge™ industrial firewall series is a fully integrated industrial multi-port firewall router with VPN function. The fully equipped, broadband-capable firewall router offers a stateful packet inspection firewall, denial-of-service(DoS)/distributed denial-of-service(DDoS) protection and intrusion prevention, portscan detection, and real-time alerts. It gives additional protection for machinery and equipment installed on the secure side of the firewall. Equipped with SSL VPN functions, the Henge™ industrial firewall provides a remote access infrastructure to secure connections, and helps machine builder/system integrator to design easily maintained systems. Furthermore, its tough fully-rugged design is ideal for harsh environment application. With wide temperature range up to to 70°C (158°F) degree, it offers reliable communication network in extreme temperature conditions.

Pairing VPN capabilities, the Henge™ industrial firewall series is an ideal endpoint connectivity and security solution for industrial automation, process control, energy and medical instrument remote management application.

Specifications

Network Security

- Stateful Packet Firewall
- Intrusion Prevention
- Multiple Public IPs
- SNMP support
- VoIP/SIP support
- Portscan Detection
- DoS and DDoS Protection
- SYN/ICMP Flood Protection
- DNS Proxy/Routing

Multi-WAN/Failover

- Supports multiple Uplinks/WANs: Ethernet (Static/DHCP), PPPoE, ADSL
- Automatic WAN Uplink Failover
- Monitoring of WAN Uplinks

Traffic shaping

- Bandwidth Management

User Authentication

- Active Directory /NTLM
- LDAP
- Local

Network Address Translation

- Destination NAT
- Incoming Routed Traffic
- One-to-One NAT
- Source NAT (SNAT)
- IPSec NAT Traversal

High Availability

- Hot Standby (active/passive)
- Node Data/Configuration Synchronization

Bridging

- Firewall Stealth Mode
- OSI-layer 2 firewall-function
- Spanning tree
- Unlimited bridges
- Unlimited interfaces per bridge

VPN (Virtual Private Network)

- IPsec
 - Encryption; 3DES, AES 128/256-bit, MD5, SHA1
 - Diffie Hellman (2, 5, 14, 15, 16,17,18)
 - Authentication: Pre-Shared Key, RSA Keys X.509-certificates IKEv1, L2TP

- DPD (Dead Peer Detection)
- NAT-Taversal
- Compression
- PFS (Perfect Forward Secrecy)
- VPN Site-to-site
- VPN Client-to-Site (Road warrior)
- Integrated Certificate Authority
- True SSL/TLS VPN (OpenVPN)
 - Encryption; DES, 3DES, AES 128/192/256-bit, CAST5, Blowfish
 - Authentication: Pre-Shared Key, X.509-certificates, Certification Authority, and Local
 - Support for VPN over HTTPS Proxy (OpenVPN)
 - PPTP Passthrough
 - VPN Client-to-Site (Road warrior)
 - VPN Client for Microsoft Windows, Mac OS X and Linux
 - Multiple logins per user
 - VPN Failover

Services

- Event notification & handling
- NTP (network time protocol)
- DHCP server
- SNMP server
- DynDNS

Logs and Reports

- Customizable real-time dashboard
- Live Log Viewer (AJAX based)
- Detailed user based web access report
- Network/system/performance statistics
- Rule-based logging settings (firewall rules)
- Syslog: local or remote
- OpenTSA trusted time stamping

Management

- Easy web-based administration (SSL)
- Secure remote SSH/SCP access
- Centralized management (via SSL)

Updates and Backup

- Centralized updates through Henge™ network
- Network
- Scheduled backup
- Encrypted backups via e-mail
- Instant recovery/backup to USB stick

Routing

- Static Routes
- Source-based Routing
- Destination-based Routing
- Policy-based Routing (based on interface, MAC, protocol, or port)

Hardware Specification

- 1 x 10/100/1000 Base-T Ethernet WAN
- 4 x 10/100/1000 Base-T Ethernet LAN
- 1 x USB
- 1 x DI/DO
- RS-232/422/485
- microSD 4GB

Physical and Power

- DIN Rail/Wall Mount
- Fanless
- Dimension (HxWxD): 167mm x 59mm x 140mm
- IP30
- Dual Power Input 24VDC

Environmental Specification

- Operating Temperature: -20°C ~ 70°C/-4°F ~ 158°F
- Storage Temperature: -40°C ~ 80°C/-40°F ~ 176°F
- Humidity: 5% ~ 95%, non-condensing

Certification

- FCC/CE/RoHS

Package Content

- IFA 3610 x 1
- QIG x 1
- Power Input 5.08mm Terminal Block x 2
- DI/DO Terminal Block x 1

Ordering Information

- **IFA 3610 (P/N: 10IF0361000X0)**



Main Features

- Fully-integrated VPN server
- Stateful packet firewall
- SSL VPN secure connection
- Centralized management
- Up to 25/100 concurrent licenses
- Redundant storage (RAID1)

Product Overview

With the Henge™ VPN Dispatcher, users can define and manage network connections with extreme flexibility, adapting them to suit the specific needs, like create multiple and distributed networks using VPN gateway to gateway and enable remote connections to your network and take advantage of the intuitive VPN client, which is universally compatible with Windows, Mac OS X and Linux...and so on.

Specifications

Network Security

- Stateful packet firewall
- Intrusion prevention
- Multiple public IPs
- SNMP support
- VoIP/SIP support
- Portscan detection
- DoS and DDoS protection
- SYN/ICMP Flood protection
- DNS proxy/routing
-

Multi-WAN/Failover

- Supports multiple uplinks/WANs: Ethernet (Static/DHCP), PPPoE, ADSL
- Automatic WAN uplink failover
- Monitoring of WAN uplinks

Traffic shaping

- Bandwidth management

User Authentication

- Active directory/NTLM
- LDAP
- Local

Network Address Translation

- Destination NAT
- Incoming routed traffic
- One-to-one NAT
- Source NAT (SNAT)

- IPSec NAT traversal

High Availability

- Hot standby (active/passive)
- Node data/configuration synchronization

Bridging

- Firewall stealth mode
- OSI-layer 2 firewall-function
- Spanning tree
- Unlimited bridges
- Unlimited interfaces per bridge

VPN (Virtual Private Network)

- IPSec
 - Encryption; 3DES, AES 128/256-bit, MD5, SHA1
 - Diffie hellman (2, 5, 14, 15, 16,17,18)
 - Authentication: Pre-shared key, RSA keys X.509-certificates IKEv1, L2TP
 - DPD (Dead Peer Detection)
 - NAT-taversal
 - Compression
 - PFS (Perfect Forward Secrecy)
 - VPN site-to-site
 - VPN client-to-site (Road warrior)
 - Integrated certificate authority
- True SSL/TLS VPN (OpenVPN)
 - Encryption; DES, 3DES, AES 128/192/256-bit, CAST5, blowfish
 - Authentication: Pre-shared key, X.509-certificates, Certification Authority, and Local

- Support for VPN over HTTPS proxy (openVPN)
PPTP passthrough
- VPN client-to-site (road warrior)
 - VPN client for Microsoft windows, Mac OS X and Linux
 - Multiple logins per user
 - VPN failover

Services

- Event notification & handling
- NTP (Network Time Protocol)
- DHCP Server
- SNMP Server
- DynDNS

Logs and Reports

- Customizable Real-time Dashboard
- Live Log Viewer (AJAX based)
- Detailed User Based Web Access Report
- Network/System/Performance Statistics
- Rule-based logging settings (Firewall Rules)
- Syslog: Local or Remote
- openTSA trusted time stamping

Management

- Easy Web-based Administration (SSL)
- Secure Remote SSH/SCP Access
- Centralized Management (via SSL)

Updates and Backup

- Centralized updates through Henge™ network
- Scheduled backup
- Encrypted backups via e-mail
- Instant recovery/backup to USB Stick

Routing

- Static routes
- Source-based routing
- Destination-based routing
- Policy-based routing (based on interface, MAC, protocol, or port)

Hardware Specification

- Intel® Atom™ CPU
- 6 x 10/100/1000 Base-T Ethernet
- 2 x USB
- 1 x Console port
- 2 x 2.5" HDD (RAID1)

Physical and Power

- Rack mount
- Dimension (H x W x D): 44mm x 426mm x 238mm
- 100W ATX power supply

Environmental Specification

- Operating temperature 0°C - 40°C (32°F - 104°F)
- Storage temperature -20°C - 70°C (-4°F - 158°F)
- Humidity: 10% - 90%, non-condensing

Certification

- FCC/CE/RoHS

Package Content

- IVD1000-S/A x 1
- QIG x 1
- Power cord
- Rack mount kit

Ordering Information

• IVD 1000-S (P/N: 10IV0100000X0)

VPN Dispatcher Server with 25 Licenses
Stateful Packet Firewall, SSL VPN, Unified VPN Management

Coming Soon

Main Features

- 10G Limitless
- L3 Routing
- Fast Apps Layer 2-7 packet classification
- Auto Backup Configurator
- DIN-Rail Fanless
- Wide Temperature Range -40°C ~ 75°C

Product Overview

The CoreLink™ Ultra 10G series is a high performance, rugged-design managed switch for backbone grade connection in harsh environment. Equipped with 4 ports 10 Gigabit capability, it's able to provide extremely wide bandwidth for data communication like limitless highway. And L3 static routing enables core switches to dispatch data efficiently as a router, instead of thousands of forwards. Furthermore, supporting 16/12 Gigabit ports, fast APPs, VLAN, QoS and plenty of features are versatile for network management.

The CoreLink™ Ultra 10G series concentrates on high availability applications, including Factory Automation, ITS, Security Surveillance, Railway and Wireless AP Coverage.

Specifications

Hardware Features

- 4- port 10G SFP+ Backbone
- 16/12-Port Gigabit TX
- L3 Static Routing
- Din-Rail/Wall Mount installation
- Fully normal open and normal close alarm relay
- Digital Input
- USB Console Port
- Isolated balance redundant power input
- Fanless
- Wide Temperature Range support, -40°C ~ 75°C

Software Features

- Tag and Port Base VLAN
- Double Tag VLAN
- GVRP Dynamic VLAN registration
- Link aggregation (LACP)
- IGMP V1/V2/V3
- LLDP (Link Layer Discovery Protocol)
- DHCP Relay
- EEE(Energy Efficient Ethernet)

Redundancy

- IEEE802.1D Spanning Tree Protocol (STP)
- IEEE802.1w Rapid Spanning Tree Protocol (RSTP)
- IEEE802.1s Multiple Spanning Tree Protocol (MSTP)

Service Priority

- 8 queues QoS traffic classes
- Priority Base : VLAN Tag, IP CoS, DSCP
- Priority Processing : Weighted Round Robin(WRR) & Strict Priority(SP)
- Layer 2-4 ACL Classification
- Fast Apps Layer 2-7 packet classification
- High priority Voice VLANs tunnel

Security

- TACACS+ Port Protect
- 802.1X Radius Port Protect
- Loop detection
- MAC filter
- Broadcast/Multicast storm filter

Management

- IPV4/IPV6 Management
- Remote management: HTTPS/SSH/SNMP v1/v2c/v3
- Local management: USB Console
- SNTP (Simple Network Time Protocol)
- Alert in SNMP Trap/ Mail/ Log system
- RMON statistics
- Packet Mirror

Standards

- IEEE802.3 10BASE-T

- IEEE802.3u 100BASE-TX
- IEEE802.3ab 1000BASE-T
- IEEE802.3ae 10-Gigabit
- SFF-8431 10G-SFP+
- IEEE802.3ad Link Aggregation LACP
- IEEE802.1p Quality of Service
- IEEE802.1Q Tag VLANs
- IEEE802.1ad Double Tag
- IEEE802.1D STP
- IEEE802.1w RSTP
- IEEE802.1s MSTP
- IEEE802.1x Radius port authentication
- IEEE802.1AB Link Layer Discovery
- ANSI/TIA-1057 LLDP

Hardware Interface

- 4 x 10Gigabit Base-SFP+ Ethernet
- 16/12-Port Gigabit TX
- 1 x USB Console
- 2 x Power Terminal Block
- 1 x Alarm Relay
- 1 x Digital input

Physical and Power

- DIN Rail/Wall Mount
- Fanless
- Dimension (HxWxD): TBD
- IP30

Power

- Dual Terminal Block interface input
- Power Input 12~57VDC

Environmental Specification

- Operating Temperature -40°C ~ 75°C (-40°F ~ 167°F)
- Storage Temperature -40°C ~ 85°C (-40°F ~ 185°F)
- Humidity: 5% - 95%, non-condensing

Certification

- FCC
- CE
- RoHS
- UL508
- EN50121-4

Package Content

- Switch x 1
- QIG x 1
- CD x 1
- Power Input 5.08mm 2-pin Terminal Block x 2
- Relay & Digital Input 5.08mm 5-pin Terminal Block x1
- USB Cable x1

Ordering Information

- **CLU-416W (P/N: TBD)**
- **CLU-412W (P/N: TBD)**

Coming Soon

Main Features

- 2 Gigabit Ethernet ports for network redundancy with PoE
- Multi-RAID level support
- Data Protection in harsh environments
- Fast synchronization in RAID 1
- Fanless
- Wide Temperature Range support, -40°C ~ 70°C
- IP Rating: IP 54 (NEMA)

Product Overview

The CoreVault™ Series is extremely rugged-design network-attached storage (NAS), which is designed to provide high performance, reliability and capacity data storage in harsh environments. Equipped with robust hardware RAID engine, it is able to offer accurate data in harsh environment, like oil&gas, transportation, industry automation...and so on.

Furthermore, it offers various data backup options. Remote Replication supports real-time data backup from target unit to another remote unit, FTP servers and file-level synchronization. By integrated with rsync protocol, it's able to keep critical data always consistent. And it also supports SMB/CIFS, NFS, and AFP protocols for file sharing among cross-platforms, like Windows, Mac and Linux/UNIX.

The CoreVault™ Series is built with a fanless, thermally efficient, dust- and water-protected IP 54-rated chassis. It's sealed enclosure eliminates internal fans as a point of critical system failure, protecting the internals from dust and splashed water. This brand new rugged-design NAS would be the most fit product to fulfill the requirement in hash environments.

Specifications

Hardware Features

- Processor: MIPS64 Processor
- Hardware RAID Engine
- Storage: 2.5" HDD x 3
- On board SSD storage:
Storage buffer available for vibration status
- Ethernet:
 - 2 x Gigabit LAN ports for network redundancy (M12)
 - 1 x Gigabit LAN port for network management (M12)
- Reset button: Reset to factory default

LEDs

- Tag and Port Base VLAN
- Power LED: System is power on/off
- System LED: System status
- HDD LED: HDD1,HDD2,HDD3 (Read/Write)
- LAN LED: 10/100/1000M x3

Redundancy

- Power-over-Ethernet (PoE)
- Powered Device 50-57VDC (IEEE 802.3AT)
- Power Redundancy

HS Control

- Intelligent Heating System

Physical Characteristics

- Fanless
- Housing: Metal, IP 54 Protection
- Mounting: Wall Mount
- System Dimensions:
260mm (w) x 178mm (D) x 70mm (H) (10.24" x 7" x 2.76")

Software Features

- OS: Linux
- Firmware upgrade via system web UI
- System management via system web UI
- RAID management: RAID 0,1,5,JBOD
- IP Settings: Fixed IP, DHCP
- Auto data rebuilding
- Backup Management
 - Green Power Management
 - Data Protection (Support data buffer available for vibration status and harsh temperature environment)
- Humidity: 5% ~ 95%, non-condensing

Environmental Specification

- Operating Temperature: -40°C ~ 70°C (-40°F ~ 158°F)
- Storage Temperature: -40°C ~ 85°C (-40°F ~ 176°F)

Certifications

- FCC/CE
- RoHS/WEEE

Package Content

- CoreVault™ Unit x 1
- QIG x 1
- CD x 1
- Wall-Mount –kit (Optional)
 - Cable M12 to M12(Optional)
 - Cable M12 to RJ45(Optional)

Ordering Information

- CVE-3M (P/N: TBD)

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The Intelligent Systems

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

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