NSA 1160

Intel Atom® Processor C3000 Series,
1U Rackmount with 1 LAN Module

NSA 1160

NSA 1160A

Main Features

- Intel Atom® processor C3000 series SoC, BGA type
- DDR4-2400 ECC/non-ECC UDIMM/RDIMM, up to 128GB
- 8 x GbE RJ45 ports for NSA1160
- 2 x 10GbE SFP+ & 6 x GbE RJ45 ports for NSA1160A
- 1 x LAN module slot for NSA1160A
- 2 x USB3.0 connector
- Two pairs bypass

Product Overview

1U network security appliance NSA1160/1160A helps small and medium enterprises build a securely connected workplace. Based on the new Intel Atom® processor C3000 series, the packs excellent performance per watt, accelerated data cryptography and server-grade LAN functions into a small form factor. This 1U network security appliance can create safe environments for network communication to connect employees and offices.

With Intel Atom® processor C3000 series integrated with Intel® QuickAssist technology, the NSA1160/1160A is designed to help increase both network responsiveness and security by distributing computing power to core applications, ranging from mail servers to firewalls, while using Intel® QuickAssist technology for data encryption and decryption, which were processed by software or a discrete hardware accelerator.

Specifications

Main Board
- NSB 1160/NSB 1160A
- Intel Atom® processor C3558 for NSA 1160
- Intel Atom® processor C3758 for NSA 1160A

Main Memory
- 4 x DDR4-2400 ECC/non-ECC UDIMM/RDIMM, up to 128GB

LAN Features
- 8 x 1GbE RJ45 for NSA 1160
- 2 x 10GbE SFP+ & 6 x GbE RJ45 for NSA 1160A
- 1 x PCIe x4 LAN module slot for NSA 1160A
- LAN bypass: 2 pairs

I/O Interface-Front
- Power/HDD/LAN bypass 1/LAN bypass 2 LEDs
- 1 x Reset button
- 2 x USB 3.0
- 1 x RJ45 type console port
- 1 x LCM (optional)

I/O Interface-Rear
- 1 x VGA
- 2 x USB 2.0
- 1 x Power inlet

Storage Device
- 1 x mSATA slot
- 2 x 2.5" HDD/SSD bay (optional)

Power Input
- 65W power supply for NSA 1160
- 150W power supply for NSA 1160A

Dimensions
- Chassis dimension: 430mm x 310mm x 44mm
- Carton dimension: 544mm x 506mm x 205mm

Weight
- Without packing: 5.6Kg
- With packing: 8.4Kg

Environment
- Operating temperatures: 0°C~40°C
- Storage temperature: -20°C~75°C
- Relative humidity: 10%~90% non-condensing

Certifications
- CE Approval
- FCC Class A
- UL

Entry Platform   NEXCOM

Ordering Information

Barebone

* **NSA 1160 (P/N: 10S00116000X0)**
  Intel Atom® C3558, BGA type, 4 x DDR4 memory slots, 8 copper LAN ports, mSATA slot

* **NSA 1160A (P/N: 10S00116001X0)**
  Intel Atom® C3758, BGA type, 4 x DDR4 memory slots, 2 10GbE + 6 copper LAN ports, 1 LAN module slot, mSATA slot

Model	P/N Controller	Interface	Type	Port Number	Bypass/Segment	Expansion Slot	Location Slot
NI 140F	10SK000NI02X0	i350AM4x1	PCIex8	4 SFP	None	None	All Slot
NI 142C	10SK000NI03X0	i350AM4x1	PCIex8	4 Copper	2 bypass	None	All Slot
NI 142F	10S10142F01X0	i350AM4x1	PCIex8	4 SFP	2 bypass	None	All Slot
NI 121F	10S10121F01X0	i350AM2x1	PCIex8	2 SFP	1 bypass	None	All Slot
NI 140C	10S10140C01X0	i350AM4x1	PCIex8	4 Copper	None	None	All Slot