



NSA 1160



NSA 1160A

Main Features

- ◆ Intel Atom® processor C3000 series SoC, BGA type
- ◆ DDR4-2400 Long-DIMM ECC memory, max. 128GB
- ◆ Support 8 x GbE copper for NSA 1160
- ◆ Support 2 x 10GbE SFP+ and 6 x GbE copper for NSA 1160A
- ◆ USB 3.0 connector
- ◆ Two pairs bypass

Product Overview

1U network security appliance NSA 1160 helps small and medium enterprises build a securely connected workplace. Based on the new Intel Atom® processor C3000, 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 dual core SoC Intel Atom® processor C3000 integrated with Intel® QuickAssist technology, the NSA 1160 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 C3000 series, BGA type

Main Memory

- ◆ 4 x DDR4-2400 Long-DIMM ECC UDIMM/RDIMM, max. 128GB

LAN Features

- ◆ 8 x 1GbE copper for NSA 1160
- ◆ 2 x 10GbE SFP+ and 6 x GbE copper for NSA 1160A
- ◆ LAN bypass: 2 pairs
- ◆ Support 10/100/1000 link speed
- ◆ Support LAN module for NSA 1160A

I/O Interface-Front

- ◆ Power status/HDD status/LAN bypass 1/LAN bypass 2 LED
- ◆ 1 x Reset button
- ◆ 2 x USB 3.0
- ◆ 1 x RJ45 type console port
- ◆ 8 x Copper ports
- ◆ 1 x LCM (optional)

I/O Interface-Rear

- ◆ 1 x Power button
- ◆ 1 x VGA connector
- ◆ 2 x USB 2.0 connector
- ◆ 1 x Power cord connector

Storage Device

- ◆ 1 x On-board mSATA slot
- ◆ 2 x 2.5" HDD bays

Power Input

- ◆ 65W power supply for NSA 1160
- ◆ 150W power supply for NSA 1160A

Dimensions

- ◆ Chassis dimension: 430mm x 310mm x 44mm

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 B
- ◆ UL

Ordering Information

Barebone

◆ NSA 1160 (P/N: 10S00116000X0)

Intel Atom® C3558, BGA type, 4 x DDR4 memory slots, 8 copper LAN ports, mSATA slot, 3 x USB 2.0

◆ 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, 3 x USB 2.0

Model	P/N Controller	Interface	Type	Port Number	Bypass/Segment	Expansion Slot	Location Slot
NI 140F	10SK000NI02X0	i350AM4x1	PClex8	4 SFP	None	None	All Slot
NI 142C	10SK000NI03X0	i350AM4x1	PClex8	4 Copper	2 bypass	None	All Slot
NI 142F	10S10142F01X0	i350AM4x1	PClex8	4 SFP	2 bypass	None	All Slot
NI 121F	10S10121F01X0	i350AM2x1	PClex8	2 SFP	1 bypass	None	All Slot
NI 140C	10S10140C01X0	i350AM4x1	PClex8	4 Copper	None	None	All Slot