



## Main Features

- ♦ Intel Atom® processor C3000 series SoC, BGA type
- ♦ DDR4-2133 Long-DIMM ECC memory, max. 128GB
- ♦ Support 8 GbE LAN ports
- ♦ 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 NSA1160 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
- ♦ Intel Atom® processor C3000 series, BGA type

### Main Memory

- ♦ 4 x DDR4-2400 Long-DIMM ECC memory, max. 128GB

### LAN Features

- ♦ 8 x Copper ports
- ♦ 4 x LAN controller: Intel® i211-AT
- ♦ LAN bypass: 2 pairs
- ♦ 4 x Marvell PHY: 88E1543
- ♦ Support 10/100/1000 link speed
- ♦ Support LAN module (optional)

### I/O Interface-Front

- ♦ Power status/HDD status/LAN status 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 (optional)

- ♦ 2 x USB 2.0 Connector (optional)
- ♦ 1 x Power cord connector

### Devices

- ♦ 1 x On-board mSATA slot
- ♦ 1 x 2.5" HDD bay

### Power Input

- ♦ 65W power supply

### Dimensions

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

### Weight

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

### 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: TBC)

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

#### ♦ NSA 1160A (P/N: TBC)

Intel Devnerton SoC Atom® C3758, BGA type, 4 x DDR4 memory slots, 8 copper LAN ports, 1 LAN module (NI/NX series) bays, mSATA slot, 3 x USB 2.0

Model	P/N Controller	Interface	Type	Port Number	Bypass/Segment	Expansion Slot	Location Slot
NX 140F	10S20140F01X0	XL710-BM1	PClex8	4 SFP+	None	None	All Slot
NX 142F	10S20142F01X0	XL710-BM1	PClex8	4 SFP+	2 bypass	None	All Slot
NX 142F-LR	10S20142F03X0	XL710-BM1	PClex8	4 SFP+	2 bypass	None	All Slot
NX 120F	10S20120F00X0	X710-BM2	PClex8	2 SFP+	None	None	All Slot
NI 140F	10SK000NI02X0	i350AM4x1	PClex8	4 SFP	None	None	All Slot
NI 180F	10S10180F01X0	i350AM4x2	PClex8	8 SFP	None	None	All Slot
NI 142C	10SK000NI03X0	i350AM4x1	PClex8	4 Copper	2 bypass	None	All Slot
NI 180C	10S10180C01X0	i350AM4x2	PClex8	8 Copper	None	None	All Slot
NI 184C	10S10184C01X0	i350AM4x2	PClex8	8 Copper	4 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