



Main Features

- Dual Intel® Xeon® scalable processor family
- Support processor-FPGA solution
- Support up to 512GB of DDR4 2133/ 2400/2666 ECC & REG memory
- Up to 8 slots for PCIe LAN modules
- 2 x 2.5" SATA/SAS HDD (swappable)
- CRPS (1 + 1) redundant power supply
- Support BMC with IPMI 2.0 and out-of-band management
- Optional TPM 1.2/2.0 module
- Support IPMI 2.0
- Support Intel® QAS® ready

Product Overview

NEXCOM has released the 2U network security appliance NSA 7146 to take on more security workloads and lower energy consumption to contribute to a greener world. Based on Intel® Xeon® product family (codenamed Grantley), NEXCOM NSA 7146 features enhancements in computing performance, system responsiveness, I/O throughput and hardware design to safeguard network traffic for both enterprise and telecommunication applications.

Specifications

Main Board

- NSB 7145
- Dual Intel® Xeon® processor scalable family
- Support 10.4 GT/s UPI
- Intel® C627

Main Memory

- 16 x 284-pin DDR4 2133/2400/2666 DIMM sockets, up to 512GB ECC & REG SDRAM

LAN Features

- Swappable LAN modules
- Support Intel® i350/Intel® XL710 copper/fiber ports
- Support 10/100/1000/10G/100G link speed
- LAN bypass

* Please see Lan module list information

I/O Interface-Front

- Support 2 x 20 characters LCD module, SIO interface
- Power status/HDD status/GPIO status/system failure status LEDs
- 2 x 2.5" HDD swappable bays
- 8 x LAN module bays
- 2 x USB 3.0 ports
- 1 x RJ45 type console port
- 2 x Management LAN ports

I/O Interface-Rear

- 3 x Swappable system fans
- 1 x Power button switch
- 1 x VGA port
- 1 x USB 2.0 port

Storage

- 1 x On-board CFast socket

Power Input

- 700W 1+1 CRPS redundant power supply

Chassis Dimensions

- Chassis dimension: 438 mm x 570 mm x 88 mm
- Carton dimension: 774 mm x 636 mm x 293 mm

Weight

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

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

Ordering Information

Barebone

♦ NSA 7146 (P/N: TBC)

2U Intel® Xeon® PCH C621, with LCM, 2 swappable 2.5" HDD tray, 3 swappable system fans, 8 LAN module (NI/NX series) bays, 700W PSU

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
NV 120F	10S50120F01X0	XXV710-AM2	PClex8	2 QSFP	None	None	All Slot
NC220Q28M	10S30022002X0	MT27708A0-FDCF-CE	PClex16	2 QSFP28	None	None	1,2/ 3,4/ 5,6/ 7,8

