



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
- 2x 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

Product Overview

NEXCOM has released the 2U network security appliance NSA 7145 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 7145 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® C621

LAN Features

- Swappable LAN modules
- Support Intel® i350/ Intel® XL710 Copper/Fiber ports
- Support 10/100/1000/10G 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
- 2 x USB 2.0 ports

Main Memory

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

Devices

- 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 7145 (P/N: 10S00714500X0)**

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	PCIe x8	4 SFP+	None	None	All Slot
NX 142F	10S20142F01X0	XL710-BM1	PCIe x8	4 SFP+	2 bypass	None	All Slot
NX 142F-LR	10S20142F03X0	XL710-BM1	PCIe x8	4 SFP+	2 bypass	None	All Slot
NX 120F	10S20120F00X0	X710-BM2	PCIe x8	2 SFP+	None	None	All Slot
NI 140F	10SK000NI02X0	i350AM4x1	PCIe x8	4 SFP	None	None	All Slot
NI 180F	10S10180F01X0	i350AM4x2	PCIe x8	8 SFP	None	None	All Slot
NI 142C	10SK000NI03X0	i350AM4x1	PCIe x8	4 Copper	2 bypass	None	All Slot
NI 180C	10S10180C01X0	i350AM4x2	PCIe x8	8 Copper	None	None	All Slot
NI 184C	10S10184C01X0	i350AM4x2	PCIe x8	8 Copper	4 bypass	None	All Slot
NI 142F	10S10142F01X0	i350AM4x1	PCIe x8	4 SFP	2 bypass	None	All Slot
NI 121F	10S10121F01X0	i350AM2x1	PCIe x8	2 SFP	1 bypass	None	All Slot
NI 140C	10S10140C01X0	i350AM4x1	PCIe x8	4 Copper	None	None	All Slot
NV 120F	10S50120F01X0	XXV710-AM2	PCIe x8	2 SPF28	None	None	All Slot
NC220Q28M	10S30022002X0	MT27708A0-FDCF-CE	PCIe x16	2 QSFP28	None	None	1,2/ 3,4/ 5,6/ 7,8

