



Main Features

- 1U compact rackmount
- Single Intel® Xeon® Scalable processor family, up to 140W
- 8 x DDR4 RDIMM, support 2133/2400/2666, up to 256 GB
- 4 x PCIe x8 LAN module slots, up to 100G QSFP28
- 2 x 2.5" SSD/HDD internal bracket
- 1 x M.2 2242 B key
- 1 x FHHL PCIe x16 expansion slot
- 3 Swappable fans
- 450W redundant power supply
- TPM module option

Product Overview

NEXCOM has released the 1U network security appliance NSA 7141 to take on more VNFs workloads and lower energy consumption to contribute to a greener world. Based on Intel® Xeon® scalable processor family (codenamed Purley), NEXCOM NSA 7141 features enhancements in computing performance, system responsiveness, I/O throughput and hardware design for virtual network functions for both enterprise and telecommunication applications. Support PCIe x16 extension slot for more application use like AI engine or crypto/decrypt Accelerator.

Specifications

Main Board

- NSB 7141 (PCH C621)
- Single Intel® Xeon® scalable processor family
- 1 x PCIe x16 expansion slot

LAN Features

- Optional LAN module
 - Support 1GbE/10GbE/25GbE/40GbE/100GbE link speed
 - LAN bypass
- * please see LAN module list information

I/O Interface-Front

- Power status/HDD status/HW monitor/GPIO LEDs
- 1 x Power button and 1 x reset button
- 1 x Micro USB type and 1x RJ45 type console ports
- 1 x VGA
- 2 x Management LAN port
- 2 x USB 3.0 port
- 4 x LAN module slots (x8, x8, x8, x8 or x16, x8, x8)

I/O Interface-Rear

- 1 x PCIe x16 expansion slot
- 3 x Swappable system fan

Main Memory

- 8 x DDR4 RDIMM, support 2133/2400/2666, up to 256 GB
- 2 x Intel® Optane™ DC persistent memory (Apache Pass)

Storage Device

- 2 x 2.5" internal SSD/HDD
- 1 x SATA DOM
- 1 x M.2 2242 B-Key

Power Input

- 450W redundant power supply

Dimensions

- Chassis dimension: 438 mm x 600 mm x 44 mm
- Packing dimension: 773 mm x 588 mm x 221 mm

Weight

- Without packing: 10.91 kg
- With packing: 14 kg

Environment

- Operating temperatures: 0°C~40°C
- Storage temperature: -20°C~80°C
- Relative humidity: 10%~90% non-condensing

Certifications (Plan)

- CE approval
- FCC Class A

Ordering Information

Barebone

♦ NSA 7141 (P/N: 10S00714102X0)

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 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 SFP28	None	None	All Slot
NC 220Q28M	10S30022002X0	MT27708A0-FDCF-CE	PCIe x16	2 QSFP28	None	None	1,2/3,4
NC 220FMS3	10S30022008X0	MT27808A0-FCCF-CE	PCIe x16	2 QSFP28	None	None	1,2/3,4