



Main Features

- 1U compact rackmount size
- Single Intel® Xeon® processor scalable family (Skylake-EP), Intel® Xeon® Gold 6152 processor (30.25M Cache, 2.10 GHz) 140W
- 8 x DDR4 288-pin DIMM slots, support 2133/2400/2666 ECC & REG, up to 256 GB
- 4 x PCIe x8 LAN module slots, up to 100G QSFP28
- 2 x 2.5" SSD/HDD internal bracket with vibration protect
- 1 x M.2 2242 SATA slot
- 1 x Full size PCIe x16 expansion slot
- 2+1 Swappable fan -> 1 x fixed fan + 2 x swappable fan 18000 RPM
- 450W ATX redundant power supply
- TPM & IPMI module option

Product Overview

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

Specifications

Main Board

- NSB 6141 (PCH C621)/NSB 6141A (PCH C626)
- Single Intel® Xeon® processor scalable family
- Support 9.6 GT/s QPI speed
- 1 x PCIe x16 expansion slot

LAN Features

- Optional LAN module
- Support Intel® i350/ Intel® XL710 copper/fiber ports
- Support 10/100/1000M, 10G SFP+, 100G QSFP28 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 switch
- 1 x Micro USB type console port
- 1 x HDMI DisplayPort
- 2 x Management LAN port (i210-AT)
- 1 x RJ45 type console port
- 2 x USB 3.0 port
- 4 x LAN module slot

I/O Interface-Rear

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

Main Memory

- 8 x 288-pin DDR4 2400/2666 DIMM sockets, up to 256GB ECC & REG SDRAM

Devices

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

Power Input

- ATX 600W redundant power supply

Chassis Dimensions

- Chassis dimension: 438 mm x 600 mm x 44 mm

Weight

- Without packing: 12 kg
- With packing: 14 kg

Environment

- Operating temperatures: 0°C~40°C
- Storage temperature: -20°C~75°C
- Relative humidity: 10%~90% non-condensing

Certifications (Plan)

- CE approval
- FCC Class A
- UL

Ordering Information

Barebone

♦ NSA 7141 (P/N: TBD)

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