

NSA 7146

2U Rackmount Performance Appliance
w/ Dual Intel® Xeon® Scalable Processor and 8 x LAN Modules



Main Features

- Dual Intel® Xeon® scalable processor (LGA3647)
- 16 x DDR4-2666 RDIMM
- 2 x 2.5" swappable SSD/HDD
- 2 x Management ports
- 8 x LAN modules
- Supports Intel® QAT
- Redundant power supply
- Supports IPMI 2.0 remote management
- Intel® Select Solution for NFVI, VCDN(RHEL), and NFVI FP

Product Overview

The NSA 7146 is a 2U rackmount high-performance security appliance intended for more secure workloads and lower energy consumption in contributing to a greener world. Based on the Intel® Xeon® product family (codenamed Skylake-SP), NEXCOM's NSA 7146 features enhancements of in multi-core computing performance, flexible I/O throughput and interface, and Intel® QAT hardware acceleration technology to process network traffic for both enterprise and telecommunication applications.

Specifications

Main Board

- Dual Intel® Xeon® Skylake-SP scalable processor (LGA3647), up to 165W
- Supports 2 x UPI between CPUs
- Intel® C627 w/ Intel® QAT
- Supports IPMI 2.0
- Supports Dual BIOS

Main Memory

- 16 x DDR4 2133/2400/2666 RDIMM sockets, up to 512GB

Storage

- 2 x 2.5" swappable SSD/HDD
- 1 x CFast

Interface-External

- Button: Power & Reset
- LED: Power/HDD/GPIO/System
- 2 x 2.5" swappable SSD/HDD bays
- 2 x USB 3.0 ports
- 2 x USB 2.0
- 1 x RJ45 type console
- 8 x PCIe x8 LAN module slots
- 2 x Management ports
- 1 x VGA port
- 3 x Swappable smart fans
- 2 x Power inlets
- LCM module

Interface-Internal

- TPM 1.2/2.0 module (optional)

Power

- 700W 1+1 CRPS redundant power supply

Dimensions and Weight

- Chassis dimension: 440.6 mm x 570 mm x 88 mm
- Carton dimension: 774 mm x 636 mm x 293 mm
- Without packing: 19 kg
- With packing: 25 kg

Environment

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

Certifications

- CE/FCC Class A
- UL

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Ordering Information

Barebone

• NSA 7146 (P/N: 10S00714600X0)

2U w/ Dual Intel® Xeon® Scalable Processor, w/ QAT, IPMI, LCM and 8 x LAN modules

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



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US

sales@assured-systems.com

Sales: +1 347 719 4508

Support: +1 347 719 4508

1309 Coffeen Ave
Ste 1200
Sheridan
WY 82801
USA

EMEA

sales@assured-systems.com

Sales: +44 (0)1785 879 050

Support: +44 (0)1785 879 050

Unit A5 Douglas Park
Stone Business Park
Stone
ST15 0YJ
United Kingdom

VAT Number: 120 9546 28

Business Registration Number: 07699660