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
## Ordering Information

**Barebone**

- **NSA 7146 (P/N: 10500714600X0)**
  2U w/ Dual Intel® Xeon® Scalable Processor, w/ QAT, IPMI, LCM and 8 x LAN modules

<table>
<thead>
<tr>
<th>Model</th>
<th>P/N Controller</th>
<th>Interface</th>
<th>Type</th>
<th>Port Number</th>
<th>Bypass/Segment</th>
<th>Expansion Slot</th>
<th>Location Slot</th>
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