



Main Features

- Dual 4th Gen Intel® Xeon® scalable processor
- 16 x DDR5 4800 ECC RDIMM
- 2 x 2.5" swappable SSD/HDD
- 2 x Management ports
- 1300W 1+1 CRPS redundant power supply
- 8 x PCIe5 LAN module slots
- 1 x PCIe4 x16 slot with CXL1.1 for FHFL card
- Supports 1 x IPMI 2.0 RunBMC (optional)

Product Overview

NEXCOM's NSA 7160 is a 2U rackmount high-performance networking appliance intended for networking security and 5G network applications. Based on the 4th Gen Intel® Xeon® product family (formerly: Eagle Stream), NSA 7160 features enhancements in multi-core computing performance, high memory capacity, high-speed I/O interface, and Intel® QAT hardware acceleration with DPDK to support NEXCOM propriety and standard OCP 4C+ interface LAN modules for both enterprise and telecommunication applications.

Specifications

Main Board

- Dual Intel® 4th Gen Xeon® Scalable processor, socket LGA 4677
- PCH: Intel® Emmitsburg (C741)
- Supports 4 x UPI between CPUs
- TPM 2.0 onboard

Memory

- 16 (8+8) DDR5 memory DIMMs, up to 1024GB per RDIMM

Storage

- 2 x 2.5" swappable SSD/HDD
- 1 x M.2 2280 (Key B+M) socket

Interface External

- Button: Power & reset & NMI
- LED: PWR/STBY/HDD/ERR
- 2 x 2.5" swappable SSD/HDD bays
- 2 x USB 3.0 ports
- 1 x RJ45 type console
- 8 x PCIe5 LAN module slots (OCP 4C+ interface)
- 2 x Management ports (1 x RJ45 & 1 x SFP)
- 1 x VGA port (for models with BMC installed only)
- 3 x Swappable smart fans
- 2 x Power inlets
- 1 x LCM module

Interface internal

- 1 x RunBMC module connector
- 1 x PCIe4 x16 slot with CXL1.1 for FHFL card

Power

- 1300W 1+1 CRPS redundant power supply

Dimension and Weight

- Chassis dimension: 438 mm x 800 mm x 88 mm
- Carton dimension: 1015 x 688 x 285 mm
- Without packing: 21.9 Kg
- With packing: 30.58 Kg

Environment

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

Certification

- CE/FCC Class A
- UL

Ordering Information

Barebone

- **NSA 7160 (P/N: 10S00716000X0)**
2U w/ Dual 4th Gen Intel® Xeon® Scalable processor w/ QAT, LCM,
8 x LAN module slots