



Main Features

- ♦ Dual 4th/5th Gen Intel® Xeon® scalable processor
- ♦ 16 x DDR5 4800/5600 ECC RDIMM
- ♦ 2 x 2.5" swappable SSD/HDD
- ♦ 2 x Management ports
- ♦ 1300W 1+1 CRPS redundant power supply
- ♦ 8 x PCIe 5.0 LAN module slots
- ♦ 1 x PCIe 4.0 x16 slot with CXL1.1 for FHFL card
- ♦ 1 x IPMI 2.0 RunBMC module

Product Overview

NEXCOM's NSA 7160R is a 2U rackmount high-performance networking appliance intended for networking security and 5G network applications. Based on the 4th/5th Gen Intel® Xeon® product families, NSA 7160R features enhancements in multi-core computing performance, high memory capacity, high-speed I/O interface, and Intel® QAT hardware acceleration by selected CPU SKUs with DPDK to support NEXCOM proprietary LAN modules for both enterprise and telecommunication applications.

Specifications

Main Board

- ♦ Dual Intel® 4th/5th 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 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 PCIe 5.0 LAN module slots
- ♦ 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 IPMI 2.0 RunBMC module
- ♦ 1 x PCIe 4.0 x16 slot with CXL1.1 for FHFL card

Power

- ♦ 1300W 1+1 CRPS redundant power supply

Dimension and Weight

- ♦ Chassis dimension: 438 x 800 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

Ordering Information

Barebone

- ♦ **NSA 7160R (P/N: 10S00716001X0)**
2U w/ dual 4th/5th Gen Intel® Xeon® scalable processor w/ QAT hardware acceleration by selected CPU SKUs, LCM, 8 x LAN module slots

* Please confirm the latest list of supported LAN modules with your account manager before placing the order