

PNSA 7149 Series

2U Rackmount Performance Appliance
w/ Dual Intel® 2nd Xeon® Scalable Processor and
8 x PCIe Gen3 x8 LAN Module Slots



Main Features

- Dual Intel® 2nd Xeon® scalable processor
- PCH: Intel® C627
- 12 x DDR4 ECC 228-pins RDIMM
- 1 x 3.5" or 2 x 2.5" hot-swappable HDD Bay
- 1 x PCIe x3 8 low profile RAID card (optional)
- 1 x M.2 2280 Key M+B connector
- 2 x Management ports
- 8 x PCIe3 x8 LAN module slots

Product Overview

The PNSA 7149 Series is an Intel-based 2U rackmount platforms intended for high-performance networking and cyber security. Based on Intel® Xeon® product family (formerly: Purley), this product series features enhancements in computing performance, system responsiveness, I/O throughput and hardware design to safeguard network traffic for both enterprise and telecommunication applications.

Specifications

Main Board

- Dual Intel® 2nd Xeon® scalable processor (W-3223/4210R/6226R/6248)
- Supports 10.4 GT/s UPI between CPUs

PCH

- Intel® Lewisburg C627 PCH with Intel® QAT

Memory

- 6+6 DDR4 memory DIMMs, up to 768GB per RDIMM

Storage

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

Interface External

- 8 x PCIe x8 LAN module slots
- 1 x 3.5" or 2 x 2.5" (SSD) hot-swappable HDD bay
- 1 x LCM (2 x 16)
- 2 x USB3.0 ports
- 1 x RJ45 console port
- 2 x Management ports
- 4 x Status LED indicator
- Button: HW reset
- 3 x Swappable fans
- 1 x Switch button for system power on/off

Interface Internal

- 1 x PCIe x8 expansion slot (for low profile RAID card)

Power

- 1+1 CRPS redundant power supply

Dimension and Weight

- Chassis dimension (D x W x H): 432 mm x 438 mm x 88 mm
- Carton dimension (D x W x H): 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

- **PNSA 7149 (P/N: 10Q00K30949X1)**
2U Intel® Xeon® W-3223, PCH C627, with LCM, 1 swappable 3.5"/2 swappable 2.5" HDD Bay, 8 x PCIe Gen3 x8 LAN module slots
- **PNSA 7149A (P/N: 10Q00K30954X1)**
2U Intel® Xeon® 4210R, PCH C627, with LCM, 1 swappable 3.5"/2 swappable 2.5" HDD bay, 8 x PCIe Gen3 x8 LAN module slots

- ♦ **PNSA 7149B (P/N: 10Q00K30952X1)**
2U Intel® Xeon® 6226R, PCH C627, with LCM, 1 swappable 3.5"/2 swappable 2.5" HDD bay, 8 x PCIe Gen3 x8 LAN module slots
- ♦ **PNSA 7149C (P/N: 10Q00K30938X1)**
2U Intel® Xeon® 6248R, PCH C627, with LCM, 1 swappable 3.5"/2 swappable 2.5" HDD bay, 8 x PCIe Gen3 x8 LAN module slots