LS4048-SN3 25G Top-of-Rack (TOR) Switch

The Next Generation 25G ToR Switch for Data Center and Cloud Computing

◆ **Product Highlights**

- ◆ **25G Ethernet Switch**
- ◆ **X86 CPU Board Support**
- ◆ **Ultra-low Latency**
- ◆ **Hot-swappable, load-sharing, redundant power supply**
- ◆ **N + 1 redundant, hot-swappable fan modules.**
- ◆ **ONIE Ready**
- ◆ **SONiC Support**

Product Overview

The LS4048-SN3 is a switch of 48-Port 25GbE(SFP28) with 6-Port 100GbE(QSFP28) suitable for ToR and Datacenter Application. It is ideally suited for deployment at the server access layer in large enterprise data centers, also designed for deployment at the core layer of data centers at medium-size enterprises. The switch designed with symmetric downlink and uplink bandwidth, without backplane bottleneck to keep the wired speed forwarding performance.

The huge benefit saves the space in the datacenter application with the maximum connectivity to the servers. It also features the best CP per 25G & 100G bandwidth and the best power consumption efficiency.

LS4048-SN3 is designed with flexible Redundant Power Supplies to fulfill different user scenarios. 400W RPUS for the most datacenter application is good enough to supply more than 260W for the application needs to connect with Fiber transceivers.

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Product Specification

Description	Specification
Physical	• 48-port 25GbE SFP28 • 6-port 100GbE QSFP28 • 1 USB 2.0 Type-A USB port • 1 RJ-45 console port • 1 RJ-45 Out-of-Band GbE Management Port
Performance	• Switch fabric capacity: 3.6Tbps • (full-duplex); 1.8Tbps (half-duplex) • Packet buffer memory: 20MB • MAC address: 256K • L3 Routing Table: IPv4 960K; IPv6 960K • L2 VLANs: 4K • Jumbo Frame: 9KBytes • Switch Silicon : Nephos Taurus NP8365
CPU board	• Memory: DDR4 8GB • CPU: Intel Atom C3538 • Storage: 8GB M.2 SSD 16 MB SPI flash for booting
Mechanical	• Dimension: 1RU, 438 x 470 x 44 mm (W x D x H) • Weight: ~ 12Kg • Power Supply: hot-swappable 1+1 400W redundant power supplies • Cooling: hot-swappable 4+1 fans
Environmental	• Operating Temperature: 0°C to 45°C • Storage Temperature: -20°C to 70°C • Operating Humidity: 5% to 95% (RH), non-condensing • Storage Humidity: 5% to 95% (RH), non-condensing
Electrical	• Power requirement: 100~240VAC, 50/60Hz
Certification	• Safety : UL, cUL, CB • EMC : CE, FCC/IC, CCC
Supported Optics	• SFP+: 10GBASE-SR, 10GBASE-LR, 10GBASE-ER, 10GBASE-AOC (3, 5, 7, 10, 15, 20, 25, 30m lengths), 10GBASE-CR DAC cable (Passive cable up to 5m, Active cable up to 10m) • SFP28: 25GBASE-SR, 25GBASE-LR, 25GBASE-CR DAC (Passive cable up to 5m), 25GBASE-AOC (up to 100m)) • QSFP28: 100GBASE-SR4, 100GBASE-LR4, 100GBASE-ER4, 100GBASE-CR4 DAC cable (Passive cable up to 5m, Active cable up to 10m), 100GBASE-AOC (up to 100m)

About LITE-ON Networking

We are committed to providing customers and market with the professional products and services that drive productivity across applications. With long-term years of operations in Taiwan and China, our products and solution offer significant and diverse values to meet market requirements and advances in networking connectivity technology.