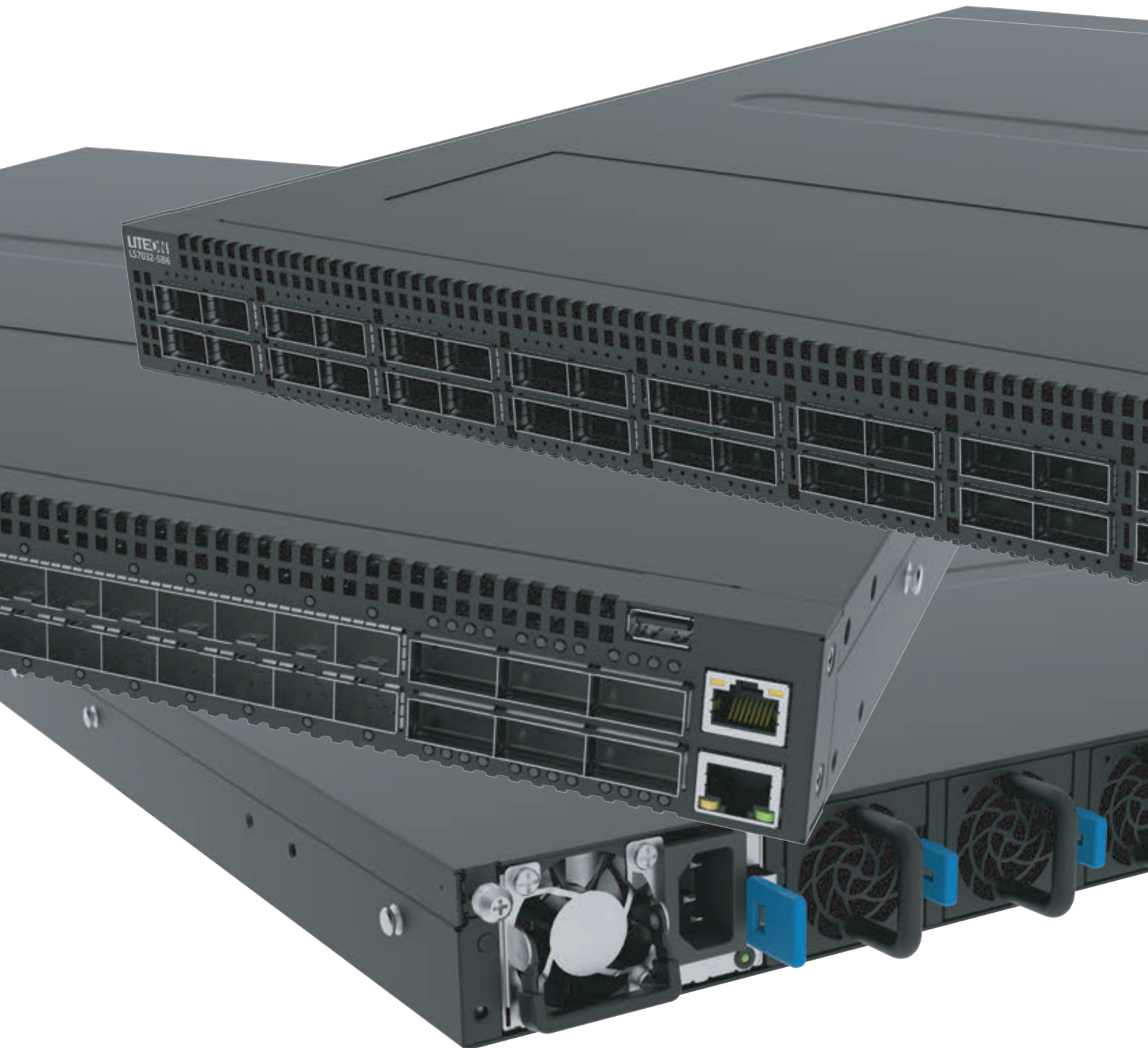


# LS3048-SN1/ LS4048-SN3

The Next Generation 10G/25G ToR Switch for  
Data Center and Cloud Computing

LITEON<sup>®</sup>



The LS3048-SN1 is a switch of 48-Port 10GbE (SFP+) with 6-Port 100GbE (QSFP28) suitable for ToR and Datacenter Application.

X86 CPU Board Support  
Ultra-low Latency  
Hot-swappable, load-sharing, redundant power supply  
N + 1 redundant, hot-swappable fan modules.  
ONIE Ready

The LS4048-SN3 is a switch of 48-Port 25GbE (SFP28) with 6-Port 100GbE (QSFP28) suitable for ToR and Datacenter Application.

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



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## LS3048-SN1 / \*SN3

- **Physical ports**  
48-port 10GbE SFP+ / \*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: 2.16Tbps / 3.6Tbps (full-duplex); 1.08Tbps/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 NP8363 / \*NP8365
- **CPU board**  
Memory: DDR4 8GB  
CPU: Intel Atom C3538  
Storage: 16 GB M.2 SSD  
16 MB SPI flash for booting
- **Supported Optics**  
SFP: 1000BASE-SX, 1000BASE-LX, 1000BASE-EX /  
\*SFP28: 25GBASE-SR, 25GBASE-LR, 25GBASE-CR DAC (Passive cable up to 5m), 25GBASE-AOC (up to 100m)  
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)  
QSFP28: 100GBASE-SR4, 100GBASE-LR4, 100GBASE-ER4, 100GBASE-CR4 (DAC cable (Passive cable up to 5m, Active cable up to 10m)
- **Mechanical**  
Dimension: 1RU, 438 x 470 x 44 mm (W x D x H)  
Weight: ~ 12Kg  
Power Supply: hot-swappable 1+1 400W redundant  
Cooling: hot-swappable 4+1 fans
- **Environmental specifications**  
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
- **Safety**  
UL/GSA 60950; EN60950  
FCC Part 15 Class A; EN55022 Class A
- **RoHS**  
RoHS 6/6 Compliant



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