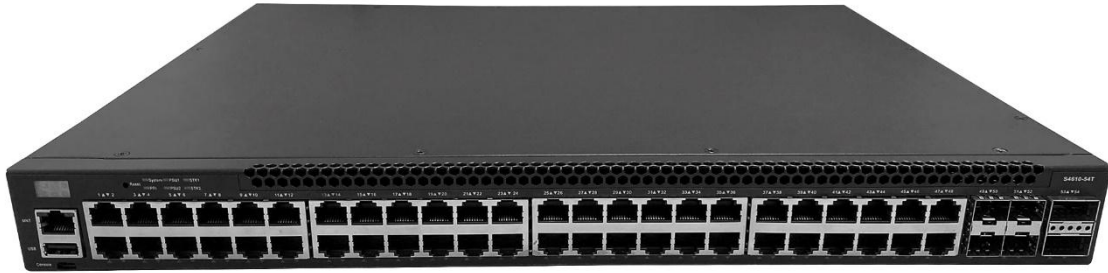


WS1000B-54P

1GbE Data Center and Enterprise PoE Switch Bare-Metal Hardware



Description

WS1000B-54T has 48 x 10/100/1000BASE-T RJ-45 ports with 4 x 10G SFP+ uplinks ports and 2 x 20G QSFP+ stacking ports (Stacking capability subject to NOS implementations). It includes redundant hot-swappable AC PSUs and port-to-power airflow.

WS1000B-54T pre-loaded with Open Network Install Environment (ONIE) for automated loading of compatible open source and commercial NOS offerings. It compatible with PicOS 3.8.0 and later version from Pica8 Inc.

Features

- 48 x 10/100/1000BASE-T RJ-45 ports
- 4 x SFP+ ports, supporting 10GbE (DAC, 10GBASE-SR/LR) or 1GbE (1000BASE-T/SX/LX)
- 2 x 20G QSFP+ stacking ports (Stacking capability subject to NOS implementations)
- Forwarding Capacity 260 Gbps
- Standard 1U TOR Switch
- Rack mountable in standard 19" racks.
- Supports hot/cold aisle with front-to-back airflow
- All ports on front; PSUs, fan modules on rear
- Hot-swappable, load sharing, optional redundant 1200W/1600W/2000W AC PSUs
- Management: Ethernet RJ-45 ports; Micro-USB console port; USB storage port
- Hardware switch pre-loaded with Open Network Install Environment (ONIE)
- Compatible with PicOS 3.8.0 and later version from Pica8 Inc

Specifications

Attributes	
Networking Interfaces	48 x 10/100/1000BASE-T RJ45 ports 4 x SFP+ ports each supporting 10GbE or 1GbE 2 x 20G QSFP+ stacking ports
Management Interface	1 x Micro-USB serial console 1 x RJ-45 100/1000BASE-T management 1 x USB Type A storage port
LED Indicators	1G SFP+ Port LED: Link/Act 10G SFP+ Port LED: Link/Act 20G QSFP+ Port LED: Link/Act Ethernet Management Port LED: Link, Act System LED: System, PRI, PSU1, PSU2, STK1, STK2
Performance	
Switching Capacity	260 Gbps
Forwarding Capacity	191 Mpps
Packet Buffer Memory	4 MB
CPU	1.0 GHz dual-core ARM Cortex-A9
RAM for CPU	DDR3 2GB (512M x8 x4, with ECC)
eUSB SSD	8 GB
Flash Memory	8 MB
MAC Address Table	96 K
Max. Jumbo Frame size	12 KB
VLAN Quantity	4 K
Routing Host	96K
Routing Entries	IPv4: 16K LPM entries IPv6: 8K LPM entries
Power over Ethernet	
IEEE802.3at PoE	Port 1-40
IEEE802.3bt PoE	Port 41-48
PoE Budget	1100W / 1500W / 1800W (Depend on PSU)
Physical and Environmental	
Dimensions (WxDxH)	440 x 350 x 45 mm
Weight	5.53 Kg (Contains 2 PSUs)
Operating Temperature	0 to 40°C
Storage Temperature	-10 to 70°C
Operating Humidity	5 to 95% Noncondensing
Power Method	100-240VAC, 50/60Hz
Max. Power Consumption	100W
Software	
Software installer	Pre-loaded with Open Network Install Environment (ONIE)
Network OS Compatibility	PicOS 3.8.0