

S8130 TOR Data Center Switch



Position

S8130 switch is a high-performance Top-of-Rack (TOR) open network switch for data centers. This compact 1RU box-type device offers 24*200GbE downlink ports for server connections and 8*400GbE uplink ports for backbone switch connections. Based on the advanced hardware-software decoupling design, it provides users with a line-rate, non-blocking high-performance forwarding with up to 8T switching capacity. This switch is pre-installed with the Open Network Install Environment (ONIE) and supports the installation of compatible Network Operating System (NOS), including open-source Sonic and various commercial NOS options.

Application

Data center TOR switching

Product Features

- Data Center Network Access: The TOR switch is used at the network access layer of data centers
- High-Performance Design: Superior Signal Integrity (SI) performance with a phyless design and excellent cooling capabilities
- Energy-Efficient Design: Intelligent power-saving features
- One-Click Diagnostics: Fast and accurate fault location
- Real-Time Monitoring: Supports second-level monitoring of system status
- Log Collection: Supports one-click collection of system operation logs

Product Specification

S8130 TOR Switch

Port Types	<ul style="list-style-type: none">• 24x 200G QSFP56+ 8x 400G QSFP-DD
Switching Capacity	<ul style="list-style-type: none">• 8.0 Tbps
Management Ports	<ul style="list-style-type: none">• 1x 10/100/1000 Base-T MGMT, 1x USB 2.0 Type A, 1x RJ45 Console
Dimension	<ul style="list-style-type: none">• 440mm(W) x 650mm(D) x 43.6mm(H)
Operating Environment	<ul style="list-style-type: none">• 0 °C~40°C , 5%~90% RH
CPU / Memory	<ul style="list-style-type: none">• Type 7(125mmx95mm), CPU: Intel Hewitt Lake D1627• ECC SODIMM DDR4 2x 16GB, Dual 16MB BIOS flash• 240GB M.2 SATA SSD
BMC Management	<ul style="list-style-type: none">• RunBMC, AST2520 (optional)• 1GB DDR4, 8GB eMMC, 2x64MB SPI FW Flash
Power Supply	<ul style="list-style-type: none">• 1+1 redundancy, 800W CRPS PSU• AC: 90~264VAC, HVDC: 180V~300VDC
Fans	<ul style="list-style-type: none">• N+1 redundancy, 5 fans, Support Airflow: F2B
Port Status LEDs	<ul style="list-style-type: none">• QSFP56: 1 LED/Port; QSFP-DD: 2 LED/Port, 5x Bi-color (Yellow/Green) LED
Mounting	<ul style="list-style-type: none">• Support rail and ear mounting
Weight	<ul style="list-style-type: none">• Approx. 10kg
Electromagnetic Compatibility	<ul style="list-style-type: none">• FCC, EN55022, EN61000-3-2, EN61000-3-3 or EN61000-3-11, EN61000-3-12: EN55024, EN300 386
Safety	<ul style="list-style-type: none">• UL/CSA 60950-1, EN 60950-1, IEC 60950-1