

ES1500

1U 24 / 48-port 2.5GbE (PoE) Campus Access Switch



ES1500 provides up to 48x 2500Base-T and 4x 25GbE SFP28 ports in support of enterprise access, edge and data center management applications. The platform includes high-reliability features such as redundant fixed fans and hot swappable power supplies. ES1500 is available in both forward and reverse airflow configurations with optional 90W per port PoE++ support.

The ES1500 is ideal for:

- Enterprise Edge / Access / Campus Aggregation
- Converged Wired / Wireless LAN
- IoT / OT
- Management and Connectivity

The Celestica ES1500 is a 1U 24 / 48-port 2.5GbE enterprise access switch. It is ideal for organizations looking for high-performance, scalable switches for the enterprise edge including: enterprise aggregation, campus, retail, DCN management and IoT.

FEATURES

Marvell AC5X switch chipset
Up to 220Gbps non-blocking switching capacity
Integrated A55 ARM CPU, 2C 1.5GHz
Optional: Intel Atom x86 CPU, 4C / 8C at 2.4GHz
Memory / Storage: Up to 32GB DDR4 / 256GB SSD
Encryption: 256b MACsec
24 / 48 ports 2500Base-T (RJ45)
4 ports 25GbE (SFP28)
Optional: IEEE 802.3 af/at/bt, Type 4, Class 8 (90W) enabled RJ45 ports
IEEE 1588 and SyncE timing support
RJ45 console and combo / SFP OOB Ethernet management ports
Persistent POE
2x USB 3.0 Type A interfaces
1+1 hot swappable AC PSUs with 0:1 / 1:1 mode of operations
3+1 fixed fans
ROHS Compliant

PHYSICAL DIMENSIONS



Enterprise-Class Quality. Cloud Economics.

Height: 43.4 mm (1U)

Width: 438.2 mm

Depth: 395.6 mm

ENVIRONMENTAL: OPERATING

Temperature: 0°C to 45°C @ 900m

Non-operating Temperature: -40°C to 70°C

Altitude: 3050m maximum. Derate ambient 1C / 175m above 900m

APPROVALS

Acoustic: ISO 7779 ISO3744

Environment: EU RoHS, SVHC requirements of REACH directive

EMC: Class B - USA, Canada, Europe, Japan, China

Safety: UL / CSA / IEC / EN 60950-1 / 62368-1

PSU: CE, FCC, CCC, KC, TUV, UL / cUL, BIS and BSMI**ORDER INFORMATION****R4075-F9081-A1:** ES1500-24, 1U, 24x2.5GbE, int. ARM 2C/8GB-DDR/32GB-eMMC (F2B)**R4075-F9181-A1:** ES1500-24, 1U, 24x2.5GbE, int. ARM 2C/8GB-DDR/32GB-eMMC (B2F)**R4075-F906E-A1:** ES1500-24C, 1U, 24x2.5GbE, x86 4C/16GB-DDR/64GB-SSD (F2B)**R4075-F916E-A1:** ES1500-24C, 1U, 24x2.5GbE, x86 4C/16GB-DDR/64GB-SSD (F2B)**R4075-F9023-A1:** ES1500-24CP, 1U, 24x2.5GbE, POE++, x86 4C/16GB-DDR/64GB-SSD (F2B)**R4075-F9123-A1:** ES1500-24CP, 1U, 24x2.5GbE, POE++, x86 4C/16GB-DDR/64GB-SSD (F2B)**R4075-F9015-A1:** ES1500-48, 1U, 48x2.5GbE, int. ARM 2C/8GB-DDR/32GB-eMMC (F2B)**R4075-F9015-A1:** ES1500-48, 1U, 48x2.5GbE, int. ARM 2C/8GB-DDR/32GB-eMMC (B2F)**R4075-F9037-A1:** ES1500-48C, 1U, 48x2.5GbE, x86 4C/16GB-DDR/64GB-SSD (F2B)**R4075-F9137-A1:** ES1500-48C, 1U, 48x2.5GbE, x86 4C/16GB-DDR/64GB-SSD (F2B)**R4075-F9048-A1:** ES1500-48CP, 1U, 48x2.5GbE, POE++, x86 4C/16GB-DDR/64GB-SSD (F2B)**R4075-F9148-A1:** ES1500-48CP, 1U, 48x2.5GbE, POE++, x86 4C/16GB-DDR/64GB-SSD (F2B)

Note: All specifications and figures are subject to change without prior notice.