

ES1000

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



The Celestica ES1000 is a 1U 24-port / 48-port 1GbE enterprise access switch. It is ideal for organizations looking for cost-effective scalable switches for the enterprise edge including: enterprise aggregation, campus, retail, DCN management and IoT.

ES1000 provides 24x or 48x 1000Base-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. ES1000 is available in both forward and reverse airflow configurations with optional 90W per port PoE++ support.

The ES1000 is ideal for:

- Enterprise / SMB Access Networks
- Converged Wired / Wireless LAN
- Campus / Branch / IOT Gateways
- Management and Connectivity

FEATURES

Marvell AC5X switch chipset
Up to 148Gbps non-blocking switching capacity
Integrated A55 ARM CPU, 2C 1.5GHz
Optional: Intel Denverton x86 CPU, 4C at 2.1GHz
Memory: 8GB up to 16GB DDR4, 32 or 64GB M.2 SSD
Encryption: 256b MACsec
24 / 48 ports 1000Base-T (RJ45)
Optional: IEEE 802.3 af / at / bt, Type 4, Class 8 enabled RJ45 ports
4 ports 1GbE / 10GbE / 25GbE (SFP28)
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
2+1 fixed fans
ROHS Compliant



Enterprise-Class Quality. Cloud Economics.

PHYSICAL DIMENSIONS

Height: 43.4 mm (1U)

Width: 438.2 mm

Depth: 371.6 mm

ENVIRONMENTAL : OPERATING

Temperature: 0°C to 45°C @ 900m

Non-operating Temperature: -40°C to 60°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**R3194-F9001-A1:** ES1000-24P, 1U, 24x1GbE, POE++, int. ARM 2C/8GB-DDR/32GB-eMMC (F2B)**R3194-F9101-A1:** ES1000-24P, 1U, 24x1GbE, POE++, int. ARM 2C/8GB-DDR/32GB-eMMC (B2F)**R3194-F9002-A1:** ES1000-48P, 1U, 48x1GbE, POE++, int. ARM 2C/8GB-DDR/32GB-eMMC (F2B)**R3194-F9102-A1:** ES1000-48P, 1U, 48x1GbE, POE++, int. ARM 2C/8GB-DDR/32GB-eMMC (B2F)**R3194-F9007-A1:** ES1000-24, 1U, 24x1GbE, int. ARM 2C/8GB-DDR/32GB-eMMC (F2B)**R3194-F9107-A1:** ES1000-24, 1U, 24x1GbE, int. ARM 2C/8GB-DDR/32GB-eMMC (B2F)**R3194-F9008-A1:** ES1000-48, 1U, 48x1GbE, int. ARM 2C/8GB-DDR/32GB-eMMC (F2B)**R3194-F9108-A1:** ES1000-48, 1U, 48x1GbE, int. ARM 2C/8GB-DDR/32GB-eMMC (B2F)**R3194-F9019-A1:** ES1000-48C, 1U, 48x1GbE, COMe 4C/8GB-DDR/32GB-SSD (F2B)**R3194-F9119-A1:** ES1000-48C, 1U, 48x1GbE, COMe 4C/8GB-DDR/32GB-SSD (B2F)**R3194-F9016-A1:** ES1000-48CP, 1U, 48x1GbE, POE++, COMe 4C/8GB-DDR/32GB-SSD (F2B)**R3194-F9116-A1:** ES1000-48CP, 1U, 48x1GbE, POE++, COMe 4C/8GB-DDR/32GB-SSD (B2F)*Note: All specifications and figures are subject to change without prior notice.*