



DS4101

1U 32-port 800G Data Center Switch



Celestica's 800G switches deliver unparalleled high-density and high-performance, the ideal foundation for large scalable data centers. The DS4101, with flexible port speed variations in a compact 1U form factor, is tailored to address evolving data center networking demands across a spectrum of environments, including enterprise, service provider and cloud provider domains.

DS4101 is a 32-port 800G switch that provides 25.6Tbps bandwidth, delivering the high performance and flexibility needed to address the complex networking requirements of today's data centers.

The DS4101 is ideal for:

- Next-Gen Enterprise Data Center
- High Performance Edge
- Hyperscale Data Centers and Cloud Computing
- Network Backbone (400GbE / 800G Leaf / Spine)

FEATURES

Interfaces: 32 OSFP 800Gbps ports, 10GbE / 25GbE / 40GbE / 50GbE / 100GbE / 200GbE / 400GbE capable, two 10GbE SFP+ ports, one 1GbE RJ45 management port, one RJ45 Serial Console Port, one USB 3.0 Type A Port

Switching Capacity: 25.6Tbps IO Bandwidth

Switch Silicon: Broadcom StrataXGS® Tomahawk® TH4-100

CPU: Intel Hewitt Lake 4C/8C, up to 32GB ECC DDR4, 128G/256G SSD

Optics/Cables: Up to 20W/26W transceivers

SOFTWARE

SONiC support

Open Network Install Environment (ONIE) for compatible open source and commercial NOS offerings

ONL, Redfish

TIMING OPTION

IEEE1588 1-step and 2-step time stamping

Transparent and boundary clock mode

SyncE Clock Recovery



Enterprise-Class Quality. Cloud Economics.

BMC SYSTEM MANAGEMENT OPTION

RunBMC support

Open BMC

POWER AND COOLING

1+1 redundant, hot swappable 2000W PSUs

AC 47~63Hz, 100~240 V nominal, 90~264V max6+1
redundant fans, front to back

6+1 redundant fans, front to back

PHYSICAL DIMENSIONS

Height: 43.1 mm

Width: 438.5 mm

Depth: 657.5 mm

ENVIRONMENTAL: OPERATING

Temperature: 0°C to 40°C @ 950m

Humidity: 5% to 95% non-condensing

APPROVALS

EMC: CN(GB9254-2008), EU(EN55022, EN55024),
FCC, VCCI

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

Environment: EU RoHS, SVHC requirements of
REACH, China RoHS

ORDER INFORMATION

R4030-F9001-A1: 1U, 32X 2X400GBE, COMe
4C/32GB-DDR/128GB-SSD (F2B)

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