



DS5000

2U 64-port 800GbE Data Center Switch



Celestica's 800G Family of Network Switches are purpose-built to support cutting-edge AI / ML and HPC requirements, delivering unparalleled high-density and high-performance solutions tailored to address evolving data center networking demands. Our 800G switches excel in spine-and-leaf deployments across a spectrum of environments, including enterprise, service provider, and cloud provider domains.

DS5000 is a 64-port 800GbE switch in a 2U form factor that provides 51.2Tbps bandwidth, transforming connectivity for the future with unprecedented speed and agility.

The DS5000 is ideal for:

- AI / ML and Emerging Technologies
- High-Performance Computing (HPC)
- Big Data and Analytics
- Data Center Leaf / Spine in an 800GbE Fabric

FEATURES

Interfaces: 64 OSFP 800GbE ports, 50GbE / 100GbE / 200GbE / 400GbE capable, two 25GbE SFP28 ports, one 1GbE RJ45 management port, one RJ45 serial console port, one USB 3.0 Type A port

Switching Capability: 51.2Tbps IO bandwidth

Switch Silicon: Broadcom StrataXGS® Tomahawk® 5

CPU: Intel® Xeon® D x86 4C/8C, 2x16GB DDR4 with ECC, 128GB/256GB M.2 SSD

Optics / Cables: Up to 20W / 30W transceivers, up to 4M DAC

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

BMC SYSTEM MANAGEMENT OPTION

RunBMC support

Open BMC

POWER AND COOLING

2+2 redundant, hot swappable 2000W PSUs

100-240VAC auto-ranging, 47-63Hz or 180-300VDC auto input

N+1 redundant fans

Front-to-back airflow



Enterprise-Class Quality. Cloud Economics.

PHYSICAL DIMENSIONS

Height: 87 mm (3.4")

Width: 438.5 mm (17.3")

Depth: 750 mm (29.5")

Weight: 30Kg

ENVIRONMENTAL: OPERATING

Temperature: 0°C to 40°C

Humidity: 5% to 85% non-condensing

MTBF: Excess of 150,000 hours

REGULATORY

EMC: CE EMC, VCCI, FCC, ICES003

Safety: UL, CB, CCC

ORDER INFORMATION

R4028-F9002-A1: 2U, 64x 800GbE, COMe
4C/32GB-DDR/128GB-SSD (F2B)

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