



# 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.

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### PHYSICAL DIMENSIONS

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Height: 87 mm (3.4")

Width: 438.5 mm (17.3")

Depth: 750 mm (29.5")

Weight: 30Kg

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### ENVIRONMENTAL: OPERATING

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Temperature: 0°C to 40°C

Humidity: 5% to 85% non-condensing

MTBF: Excess of 150,000 hours

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### REGULATORY

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EMC: CE EMC, VCCI, FCC, ICES003

Safety: UL, CB, CCC

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## 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.*