# OSFP 800G to 4x200G OSFP DAC

OSFP to 4x OSFP · 800G to 4 × 200G · passive direct attach copper cable (DAC) · 1m, 1.5m, 2m, 2.5m, 3m · NVIDIA compatible

The GLOBALfiber O800G-DAC4O-F-NV is a 800G to 4 × 200G passive direct attach copper cable (DAC) with OSFP to 4x OSFP connectors for NVIDIA InfiniBand and Ethernet networks. It is available in lengths of 1m, 1.5m, 2m, 2.5m, 3m and is coded for NVIDIA equipment with InfiniBand or Ethernet coding.



## KEY FEATURES

- OSFP to 4x OSFP
- 800G to 4 × 200G, 8 × 100G PAM4
- Twinax copper, 30 AWG (0.5–1.5 m) / 26 AWG (2 m+)
- Connector top: Finned (IHS)
- Power consumption 0.1 W per OSFP end
- Lengths 1m, 1.5m, 2m, 2.5m, 3m
- Hot-pluggable, 0 to +70 °C

## APPLICATIONS & COMPATIBILITY

- NVIDIA switches: Quantum-2 QM9700/QM9790, Spectrum-4 SN5600/SN5610 (OSFP end)
- NVIDIA adapters / systems: ConnectX-7 (OSFP), DGX H100/H200
- Replaces NVIDIA MCP7Y50-N001, MCP7Y50-N002, MCP7Y50-N003, MCP7Y50-N01A, MCP7Y50-N02A

## KEY SPECIFICATIONS

| | |
|---|---|
| Cable type | passive direct attach copper cable (DAC) |
| Connectors | OSFP to 4x OSFP |
| Data rate | 800G to 4 × 200G |
| Lanes | 8 × 100G PAM4 |
| Conductor / fiber | Twinax copper, 30 AWG (0.5–1.5 m) / 26 AWG (2 m+) |
| Connector top | Finned (IHS) |
| Power consumption | 0.1 W per OSFP end |
| Min. bend radius | 57 mm (30 AWG) / 71 mm (26 AWG) |
| Jacket | LSZH |
| Operating temperature | 0 to +70 °C |
| Management | CMIS 5.0 |
| Protocol | InfiniBand or Ethernet (NDR) |

## ORDERING INFORMATION

| GLOBALfiber item | Length | Coding | Replaces NVIDIA |
|---|---|---|---|
| **O800G-DAC4O1M-F-NVI** | 1m | IB InfiniBand | MCP7Y50-N001 |
| **O800G-DAC4O1M-F-NVE** | 1m | ETH Ethernet | MCP7Y50-N001 |
| **O800G-DAC4O1M5-F-NVI** | 1.5m | IB InfiniBand | MCP7Y50-N01A |
| **O800G-DAC4O1M5-F-NVE** | 1.5m | ETH Ethernet | MCP7Y50-N01A |
| **O800G-DAC4O2M-F-NVI** | 2m | IB InfiniBand | MCP7Y50-N002 |
| **O800G-DAC4O2M-F-NVE** | 2m | ETH Ethernet | MCP7Y50-N002 |
| **O800G-DAC4O2M5-F-NVI** | 2.5m | IB InfiniBand | MCP7Y50-N02A |
| **O800G-DAC4O2M5-F-NVE** | 2.5m | ETH Ethernet | MCP7Y50-N02A |
| **O800G-DAC4O3M-F-NVI** | 3m | IB InfiniBand | MCP7Y50-N003 |
| **O800G-DAC4O3M-F-NVE** | 3m | ETH Ethernet | MCP7Y50-N003 |

Choose the coding that matches the host: InfiniBand for NVIDIA Quantum switches, Ethernet for NVIDIA Spectrum switches. Other lengths and coding on request: salg@globalfiber.no.

## ENVIRONMENTAL

| | |
|---|---|
| Operating temperature | 0 to +70 °C |
| Storage temperature | -40 to +85 °C |
| Relative humidity | 5 to 95 % (non-condensing) |

## COMPLIANCE

- OSFP MSA
- IEEE 802.3ck
- RoHS compliant

## INSTALLATION NOTES

- Check the connector top type (Finned (IHS)) against the host cages: finned top (IHS) for switch ports, flat top (RHS) for adapter and DGX ports.
- Confirm that both host ports support the selected protocol, port mode and coding.
- Observe the minimum bend radius of 57 mm (30 AWG) / 71 mm (26 AWG) and leave room for cable routing and airflow.
- Choose a length with sufficient routing margin; do not pull on the cable when removing — use the pull tab.

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