OSFP 800G to 2x400G OSFP DAC

OSFP to 2x OSFP · 800G to 2 × 400G · passive direct attach copper cable (DAC) · 1m, 1.5m, 2m · NVIDIA compatible

The GLOBALfiber O800G-DAC2O-R-NV is a 800G to 2 × 400G passive direct attach copper cable (DAC) with OSFP to 2x OSFP connectors for NVIDIA InfiniBand and Ethernet networks. It is available in lengths of 1m, 1.5m, 2m and is coded for NVIDIA equipment with InfiniBand or Ethernet coding.



KEY FEATURES

- OSFP to 2x OSFP
- 800G to 2 × 400G, 8 × 100G PAM4
- Twinax copper, 30 AWG (0.5–1.5 m) / 26 AWG (2 m+)
- Connector top: Flat (RHS)
- Power consumption 0.1 W per OSFP end
- Lengths 1m, 1.5m, 2m
- 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 MCP7Y00-N001-FLT, MCP7Y00-N002-FLT, MCP7Y00-N01A-FLT

KEY SPECIFICATIONS

Cable type	passive direct attach copper cable (DAC)
Connectors	OSFP to 2x OSFP
Data rate	800G to 2 × 400G
Lanes	8 × 100G PAM4
Conductor / fiber	Twinax copper, 30 AWG (0.5–1.5 m) / 26 AWG (2 m+)
Connector top	Flat (RHS)
Power consumption	0.1 W per OSFP end
Min. bend radius	72 mm (30 AWG) / 89 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-DAC2O1M-R-NVI	1m	IB InfiniBand	MCP7Y00-N001-FLT
O800G-DAC2O1M-R-NVE	1m	ETH Ethernet	MCP7Y00-N001-FLT
O800G-DAC2O1M5-R-NVI	1.5m	IB InfiniBand	MCP7Y00-N01A-FLT
O800G-DAC2O1M5-R-NVE	1.5m	ETH Ethernet	MCP7Y00-N01A-FLT
O800G-DAC2O2M-R-NVI	2m	IB InfiniBand	MCP7Y00-N002-FLT
O800G-DAC2O2M-R-NVE	2m	ETH Ethernet	MCP7Y00-N002-FLT

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 (Flat (RHS)) 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 72 mm (30 AWG) / 89 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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