OSFP 800G DAC

OSFP · 800G (2 × 400G) · passive direct attach copper cable (DAC) · 0.5m, 1m, 1.5m, 2m · NVIDIA compatible

The GLOBALfiber O800G-DAC-FF-NV is a 800G (2 × 400G) passive direct attach copper cable (DAC) with OSFP connectors for NVIDIA InfiniBand and Ethernet networks. It is available in lengths of 0.5m, 1m, 1.5m, 2m and is coded for NVIDIA equipment with InfiniBand or Ethernet coding.



KEY FEATURES

- OSFP
- 800G (2 × 400G), 8 × 100G PAM4
- Twinax copper, 30 AWG (0.5–1.5 m) / 26 AWG (2 m+)
- Connector top: Finned-Finned
- Power consumption 0.1 W
- Lengths 0.5m, 1m, 1.5m, 2m
- Hot-pluggable, 0 to +70 °C

APPLICATIONS & COMPATIBILITY

- NVIDIA switches: Quantum-2 QM9700/QM9790, Spectrum-4 SN5600/SN5610 (switch–switch)
- Replaces NVIDIA MCP4Y10-N001, MCP4Y10-N002, MCP4Y10-N00A, MCP4Y10-N01A

KEY SPECIFICATIONS

Cable type	passive direct attach copper cable (DAC)
Connectors	OSFP
Data rate	800G (2 × 400G)
Lanes	8 × 100G PAM4
Conductor / fiber	Twinax copper, 30 AWG (0.5–1.5 m) / 26 AWG (2 m+)
Connector top	Finned-Finned
Power consumption	0.1 W
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-DAC0M5-FF-NVI	0.5m	IB InfiniBand	MCP4Y10-N00A
O800G-DAC0M5-FF-NVE	0.5m	ETH Ethernet	MCP4Y10-N00A
O800G-DAC1M-FF-NVI	1m	IB InfiniBand	MCP4Y10-N001
O800G-DAC1M-FF-NVE	1m	ETH Ethernet	MCP4Y10-N001
O800G-DAC1M5-FF-NVI	1.5m	IB InfiniBand	MCP4Y10-N01A
O800G-DAC1M5-FF-NVE	1.5m	ETH Ethernet	MCP4Y10-N01A
O800G-DAC2M-FF-NVI	2m	IB InfiniBand	MCP4Y10-N002
O800G-DAC2M-FF-NVE	2m	ETH Ethernet	MCP4Y10-N002

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-Finned) 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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