OSFP 800G to 2x400G QSFP112 DAC

OSFP to 2x QSFP112 · 800G to 2 × 400G · passive direct attach copper cable (DAC) · 1m, 1.5m, 2m, 2.5m, 3m · NVIDIA compatible

The GLOBALfiber O800G-DAC2Q-F-NV is a 800G to 2 × 400G passive direct attach copper cable (DAC) with OSFP to 2x QSFP112 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 2x QSFP112
- 800G to 2 × 400G, 8 × 100G PAM4
- Twinax copper
- Connector top: Finned (IHS)
- Power consumption 0.1 W
- 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 (QSFP112), BlueField-3
- Replaces NVIDIA MCP7Y10-N001, MCP7Y10-N002, MCP7Y10-N003, MCP7Y10-N01A, MCP7Y10-N02A

KEY SPECIFICATIONS

Cable type	passive direct attach copper cable (DAC)
Connectors	OSFP to 2x QSFP112
Data rate	800G to 2 × 400G
Lanes	8 × 100G PAM4
Conductor / fiber	Twinax copper
Connector top	Finned (IHS)
Power consumption	0.1 W
Min. bend radius	40.5 mm
Jacket	PET braid
Operating temperature	0 to +70 °C
Management	CMIS 4.0 EEPROM
Protocol	InfiniBand or Ethernet (NDR)

ORDERING INFORMATION

GLOBALfiber item	Length	Coding	Replaces NVIDIA
O800G-DAC2Q1M-F-NVI	1m	IB InfiniBand	MCP7Y10-N001
O800G-DAC2Q1M-F-NVE	1m	ETH Ethernet	MCP7Y10-N001
O800G-DAC2Q1M5-F-NVI	1.5m	IB InfiniBand	MCP7Y10-N01A
O800G-DAC2Q1M5-F-NVE	1.5m	ETH Ethernet	MCP7Y10-N01A
O800G-DAC2Q2M-F-NVI	2m	IB InfiniBand	MCP7Y10-N002
O800G-DAC2Q2M-F-NVE	2m	ETH Ethernet	MCP7Y10-N002
O800G-DAC2Q2M5-F-NVI	2.5m	IB InfiniBand	MCP7Y10-N02A
O800G-DAC2Q2M5-F-NVE	2.5m	ETH Ethernet	MCP7Y10-N02A
O800G-DAC2Q3M-F-NVI	3m	IB InfiniBand	MCP7Y10-N003
O800G-DAC2Q3M-F-NVE	3m	ETH Ethernet	MCP7Y10-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
- QSFP112 MSA

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 40.5 mm 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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