QSFP-DD 400G DAC

QSFP-DD · 400G · passive direct attach copper cable (DAC) · 0.5m, 1m, 1.5m, 2m, 2.5m, 3m · NVIDIA compatible

The GLOBALfiber QDD400G-DAC-NV is a 400G passive direct attach copper cable (DAC) with QSFP-DD connectors for NVIDIA Ethernet networks. It is available in lengths of 0.5m, 1m, 1.5m, 2m, 2.5m, 3m and is coded for NVIDIA equipment with Ethernet coding.



KEY FEATURES

- QSFP-DD
- 400G, 8 × 50G PAM4
- Twinax copper, 30 AWG (0.5–1.5 m) / 26 AWG (2 m+)
- Power consumption 0.1 W
- Lengths 0.5m, 1m, 1.5m, 2m, 2.5m, 3m
- Hot-pluggable, 0 to +70 °C

APPLICATIONS & COMPATIBILITY

- NVIDIA switches: Spectrum-3 SN4700, Spectrum-4 SN5400
- Replaces NVIDIA MCP1660-W001E30, MCP1660-W002E26, MCP1660-W003E26, MCP1660-W00AE30, MCP1660-W01AE30, MCP1660-W02AE26

KEY SPECIFICATIONS

Cable type	passive direct attach copper cable (DAC)
Connectors	QSFP-DD
Data rate	400G
Lanes	8 × 50G PAM4
Conductor / fiber	Twinax copper, 30 AWG (0.5–1.5 m) / 26 AWG (2 m+)
Power consumption	0.1 W
Min. bend radius	71 mm (30 AWG) / 94 mm (26 AWG)
Jacket	LSZH
Operating temperature	0 to +70 °C
Management	CMIS 4.0 EEPROM
Protocol	Ethernet (400GbE)

ORDERING INFORMATION

GLOBALfiber item	Length	Coding	Replaces NVIDIA
QDD400G-DAC0M5-NVE	0.5m	ETH Ethernet	MCP1660-W00AE30
QDD400G-DAC1M-NVE	1m	ETH Ethernet	MCP1660-W001E30
QDD400G-DAC1M5-NVE	1.5m	ETH Ethernet	MCP1660-W01AE30
QDD400G-DAC2M-NVE	2m	ETH Ethernet	MCP1660-W002E26
QDD400G-DAC2M5-NVE	2.5m	ETH Ethernet	MCP1660-W02AE26
QDD400G-DAC3M-NVE	3m	ETH Ethernet	MCP1660-W003E26

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

- QSFP-DD MSA
- IEEE 802.3cd
- RoHS compliant

INSTALLATION NOTES

- Confirm that both host ports support the selected protocol, port mode and coding.
- Observe the minimum bend radius of 71 mm (30 AWG) / 94 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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