QSFP-DD 400G to 4x100G QSFP56 DAC

QSFP-DD to 4x QSFP56 · 400G to 4 × 100G · passive direct attach copper cable (DAC) · 1m, 2m, 2.5m · NVIDIA compatible

The GLOBALfiber QDD400G-DAC4Q-NV is a 400G to 4 × 100G passive direct attach copper cable (DAC) with QSFP-DD to 4x QSFP56 connectors for NVIDIA Ethernet networks. It is available in lengths of 1m, 2m, 2.5m and is coded for NVIDIA equipment with Ethernet coding.



KEY FEATURES

- QSFP-DD to 4x QSFP56
- 400G to 4 × 100G, 8 × 50G PAM4
- Twinax copper, 30 AWG (1 m) / 26 AWG (2 m+)
- Power consumption 0.1 W
- Lengths 1m, 2m, 2.5m
- Hot-pluggable, 0 to +70 °C

APPLICATIONS & COMPATIBILITY

- NVIDIA switches: Spectrum-3 SN4700, Spectrum-4 SN5400 (QSFP-DD end)
- NVIDIA adapters / systems: ConnectX-6 Dx 200GbE / ConnectX-6 / ConnectX-7 (QSFP56 end)
- Replaces NVIDIA MCP7F60-W001R30, MCP7F60-W002R26, MCP7F60-W02AR26

KEY SPECIFICATIONS

Cable type	passive direct attach copper cable (DAC)
Connectors	QSFP-DD to 4x QSFP56
Data rate	400G to 4 × 100G
Lanes	8 × 50G PAM4
Conductor / fiber	Twinax copper, 30 AWG (1 m) / 26 AWG (2 m+)
Power consumption	0.1 W
Min. bend radius	52 mm (30 AWG) / 68 mm (26 AWG)
Jacket	FRNC (thermoplastic copolymer)
Operating temperature	0 to +70 °C
Management	CMIS 4.0 / SFF-8636 EEPROM
Protocol	Ethernet (400GbE)

ORDERING INFORMATION

GLOBALfiber item	Length	Coding	Replaces NVIDIA
QDD400G-DAC4Q1M-NVE	1m	ETH Ethernet	MCP7F60-W001R30
QDD400G-DAC4Q2M-NVE	2m	ETH Ethernet	MCP7F60-W002R26
QDD400G-DAC4Q2M5-NVE	2.5m	ETH Ethernet	MCP7F60-W02AR26

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
- QSFP56 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 52 mm (30 AWG) / 68 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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