QSFP28 100G to 2x50G QSFP28 DAC

QSFP28 to 2x QSFP28 · 100G to 2 × 50G · passive direct attach copper cable (DAC) · 1m, 1.5m, 2m, 2.5m, 3m · NVIDIA compatible

The GLOBALfiber Q100G-DAC2Q-NV is a 100G to 2 × 50G passive direct attach copper cable (DAC) with QSFP28 to 2x QSFP28 connectors for NVIDIA Ethernet networks. It is available in lengths of 1m, 1.5m, 2m, 2.5m, 3m and is coded for NVIDIA equipment with Ethernet coding.



KEY FEATURES

- QSFP28 to 2x QSFP28
- 100G to 2 × 50G, 4 × 25G NRZ
- Twinax copper, 30 AWG (≤ 2 m) / 26 AWG (2.5 m+)
- Power consumption 0.1 W
- Lengths 1m, 1.5m, 2m, 2.5m, 3m
- Hot-pluggable, 0 to +70 °C

APPLICATIONS & COMPATIBILITY

- NVIDIA switches: Spectrum SN2700/SN2100, Spectrum-2 SN3700C, Spectrum-3 SN4600C (100G end)
- NVIDIA adapters / systems: ConnectX-4 Lx 50GbE / ConnectX-5
- Replaces NVIDIA MCP7H00-G001R30N, MCP7H00-G002R26N, MCP7H00-G002R30N, MCP7H00-G003R30L, MCP7H00-G01AR30N, MCP7H00-G02AR30L

KEY SPECIFICATIONS

Cable type	passive direct attach copper cable (DAC)
Connectors	QSFP28 to 2x QSFP28
Data rate	100G to 2 × 50G
Lanes	4 × 25G NRZ
Conductor / fiber	Twinax copper, 30 AWG (≤ 2 m) / 26 AWG (2.5 m+)
Power consumption	0.1 W
Min. bend radius	56 mm (30 AWG) / 74 mm (26 AWG)
Operating temperature	0 to +70 °C
Management	SFF-8636 EEPROM
Protocol	Ethernet (EDR / 100GbE)

ORDERING INFORMATION

GLOBALfiber item	Length	Coding	Replaces NVIDIA
Q100G-DAC2Q1M-NVE	1m	ETH Ethernet	MCP7H00-G001R30N
Q100G-DAC2Q1M5-NVE	1.5m	ETH Ethernet	MCP7H00-G01AR30N
Q100G-DAC2Q2M-NVE	2m	ETH Ethernet	MCP7H00-G002R30N
Q100G-DAC2Q2M5-NVE	2.5m	ETH Ethernet	MCP7H00-G02AR30L
Q100G-DAC2Q3M-NVE	3m	ETH Ethernet	MCP7H00-G003R30L

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

- QSFP28 MSA
- IEEE 802.3bj
- RoHS compliant

INSTALLATION NOTES

- Confirm that both host ports support the selected protocol, port mode and coding.
- Observe the minimum bend radius of 56 mm (30 AWG) / 74 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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