QSFP28 100G to 4x25G SFP28 DAC

QSFP28 to 4x SFP28 · 100G to 4 × 25G · passive direct attach copper cable (DAC) · 1m, 1.5m, 2m, 2.5m, 3m, 5m · NVIDIA compatible

The GLOBALfiber Q100G-DAC4S-NV is a 100G to 4 × 25G passive direct attach copper cable (DAC) with QSFP28 to 4x SFP28 connectors for NVIDIA Ethernet networks. It is available in lengths of 1m, 1.5m, 2m, 2.5m, 3m, 5m and is coded for NVIDIA equipment with Ethernet coding.



KEY FEATURES

- QSFP28 to 4x SFP28
- 100G to 4 × 25G, 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, 5m
- Hot-pluggable, 0 to +70 °C

APPLICATIONS & COMPATIBILITY

- NVIDIA switches: Spectrum SN2700/SN2100, Spectrum-2 SN3700C, Spectrum-3 SN4600C (QSFP28 end)
- NVIDIA adapters / systems: ConnectX-4 Lx, ConnectX-5, ConnectX-6 Lx/Dx 25GbE (SFP28 end)
- Replaces NVIDIA MCP7F00-A001R30N, MCP7F00-A002R26N, MCP7F00-A002R30N, MCP7F00-A003R26N, MCP7F00-A003R30L, MCP7F00-A005R26L, MCP7F00-A01AR30N, MCP7F00-A02AR26N and more

KEY SPECIFICATIONS

Cable type	passive direct attach copper cable (DAC)
Connectors	QSFP28 to 4x SFP28
Data rate	100G to 4 × 25G
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	45 mm (30 AWG) / 58 mm (26 AWG)
Jacket	LSZH
Operating temperature	0 to +70 °C
Management	SFF-8636 / SFF-8472 EEPROM
Protocol	Ethernet (EDR / 100GbE)

ORDERING INFORMATION

GLOBALfiber item	Length	Coding	Replaces NVIDIA
Q100G-DAC4S1M-NVE	1m	ETH Ethernet	MCP7F00-A001R30N
Q100G-DAC4S1M5-NVE	1.5m	ETH Ethernet	MCP7F00-A01AR30N
Q100G-DAC4S2M-NVE	2m	ETH Ethernet	MCP7F00-A002R30N
Q100G-DAC4S2M5-NVE	2.5m	ETH Ethernet	MCP7F00-A02AR30L
Q100G-DAC4S3M-NVE	3m	ETH Ethernet	MCP7F00-A003R30L
Q100G-DAC4S5M-NVE	5m	ETH Ethernet	MCP7F00-A005R26L

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
- SFP28 MSA
- IEEE 802.3by
- RoHS compliant

INSTALLATION NOTES

- Confirm that both host ports support the selected protocol, port mode and coding.
- Observe the minimum bend radius of 45 mm (30 AWG) / 58 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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