QSFP56 200G DAC

QSFP56 · 200G · passive direct attach copper cable (DAC) · 0.5m, 1m, 1.5m, 2m, 2.5m, 3m · NVIDIA compatible

The GLOBALfiber Q200G-DAC-NV is a 200G passive direct attach copper cable (DAC) with QSFP56 connectors for NVIDIA InfiniBand and Ethernet networks. It is available in lengths of 0.5m, 1m, 1.5m, 2m, 2.5m, 3m and is coded for NVIDIA equipment with InfiniBand or Ethernet coding.



KEY FEATURES

- QSFP56
- 200G, 4 × 50G PAM4
- Twinax copper
- 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: Quantum QM8700/QM8790, Spectrum-2 SN3700, Spectrum-3 SN4600
- NVIDIA adapters / systems: ConnectX-6, ConnectX-6 Dx, ConnectX-7 (QSFP112-port), BlueField-2/3
- Replaces NVIDIA 980-9I54C-00V001), 980-9I54D-00V002), 980-9I54H-00V00A), 980-9I54I-00V01A), MCP1650-H001E30 (980-9I548-00H001, MCP1650-H002E26 (980-9I549-00H002, MCP1650-H00AE30, MCP1650-H00AE30 (980-9I54A-00H00A and more

KEY SPECIFICATIONS

Cable type	passive direct attach copper cable (DAC)
Connectors	QSFP56
Data rate	200G
Lanes	4 × 50G PAM4
Conductor / fiber	Twinax copper
Power consumption	< 0.1 W
Jacket	LSZH
Operating temperature	0 to +70 °C
Management	SFF-8636 EEPROM
Protocol	InfiniBand or Ethernet (HDR / 200GbE)
BER	Better than 1E-15

ORDERING INFORMATION

GLOBALfiber item	Length	Coding	Replaces NVIDIA
Q200G-DAC0M5-NVI	0.5m	IB InfiniBand	MCP1650-H00AE30
Q200G-DAC0M5-NVE	0.5m	ETH Ethernet	MCP1650-V00AE30
Q200G-DAC1M-NVI	1m	IB InfiniBand	MCP1650-H001E30
Q200G-DAC1M-NVE	1m	ETH Ethernet	MCP1650-H001E30
Q200G-DAC1M5-NVI	1.5m	IB InfiniBand	MCP1650-H01AE30
Q200G-DAC1M5-NVE	1.5m	ETH Ethernet	MCP1650-H01AE30
Q200G-DAC2M-NVI	2m	IB InfiniBand	MCP1650-H002E26
Q200G-DAC2M-NVE	2m	ETH Ethernet	MCP1650-H002E26
Q200G-DAC2M5-NVE	2.5m	ETH Ethernet	MCP1650-V02AE26
Q200G-DAC3M-NVE	3m	ETH Ethernet	MCP1650-V003E26

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

- QSFP56 MSA
- IEEE 802.3cd
- SFF-8636
- RoHS compliant

INSTALLATION NOTES

- Confirm that both host ports support the selected protocol, port mode and coding.
- Observe the minimum bend radius 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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