QSFP56 200G to 2x100G QSFP56 AOC

QSFP56 to 2x QSFP56 · 200G to 2 × 100G · active optical cable (AOC) · 3m, 5m, 10m, 15m, 20m, 30m · NVIDIA compatible

The GLOBALfiber Q200G-AOC2Q-NV is a 200G to 2 × 100G active optical cable (AOC) with QSFP56 to 2x QSFP56 connectors for NVIDIA InfiniBand and Ethernet networks. It is available in lengths of 3m, 5m, 10m, 15m, 20m, 30m and is coded for NVIDIA equipment with InfiniBand or Ethernet coding.



KEY FEATURES

- QSFP56 to 2x QSFP56
- 200G to 2 × 100G, 4 × 50G PAM4
- Multimode fiber
- Power consumption 200G end 5 W, 100G ends 3.5 W (max)
- Lengths 3m, 5m, 10m, 15m, 20m, 30m
- 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 980-9I452-00H003, 980-9I95Q-00V003), 980-9I95U-00V020, 980-9I95V-00V030, 980-9I969-00H005, 980-9I96D-00H010, 980-9I96H-00H015, 980-9I96L-00H020) and more

KEY SPECIFICATIONS

Cable type	active optical cable (AOC)
Connectors	QSFP56 to 2x QSFP56
Data rate	200G to 2 × 100G
Lanes	4 × 50G PAM4
Conductor / fiber	Multimode fiber
Power consumption	200G end 5 W, 100G ends 3.5 W (max)
Min. bend radius	30 mm
Jacket	LSZH
Operating temperature	0 to +70 °C
Management	SFF-8636, DDM
Protocol	InfiniBand or Ethernet (HDR / 200GbE)

ORDERING INFORMATION

GLOBALfiber item	Length	Coding	Replaces NVIDIA
Q200G-AOC2Q3M-NVI	3m	IB InfiniBand	MFS1S50-H003V
Q200G-AOC2Q3M-NVE	3m	ETH Ethernet	MFS1S50-V003E
Q200G-AOC2Q5M-NVI	5m	IB InfiniBand	MFS1S50-H005V
Q200G-AOC2Q5M-NVE	5m	ETH Ethernet	MFS1S50-V005E
Q200G-AOC2Q10M-NVI	10m	IB InfiniBand	MFS1S50-H010V
Q200G-AOC2Q10M-NVE	10m	ETH Ethernet	MFS1S50-V010E
Q200G-AOC2Q15M-NVI	15m	IB InfiniBand	MFS1S50-H015V
Q200G-AOC2Q15M-NVE	15m	ETH Ethernet	MFS1S50-V015E
Q200G-AOC2Q20M-NVI	20m	IB InfiniBand	MFS1S50-H020V
Q200G-AOC2Q20M-NVE	20m	ETH Ethernet	MFS1S50-V020E
Q200G-AOC2Q30M-NVI	30m	IB InfiniBand	MFS1S50-H030V
Q200G-AOC2Q30M-NVE	30m	ETH Ethernet	MFS1S50-V030E

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 of 30 mm 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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