QSFP28 100G to 2x50G QSFP28 AOC

QSFP28 to 2x QSFP28 · 100G to 2 × 50G · active optical cable (AOC) · 3m, 5m, 10m, 20m · NVIDIA compatible

The GLOBALfiber Q100G-AOC2Q-NV is a 100G to 2 × 50G active optical cable (AOC) with QSFP28 to 2x QSFP28 connectors for NVIDIA Ethernet networks. It is available in lengths of 3m, 5m, 10m, 20m and is coded for NVIDIA equipment with Ethernet coding.



KEY FEATURES

- QSFP28 to 2x QSFP28
- 100G to 2 × 50G, 4 × 25G NRZ
- Multimode fiber
- Power consumption 100G end 2.2 W, 50G ends 1.5 W
- Lengths 3m, 5m, 10m, 20m
- 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 MFA7A20-C003, MFA7A20-C005, MFA7A20-C010, MFA7A20-C020

KEY SPECIFICATIONS

Cable type	active optical cable (AOC)
Connectors	QSFP28 to 2x QSFP28
Data rate	100G to 2 × 50G
Lanes	4 × 25G NRZ
Conductor / fiber	Multimode fiber
Power consumption	100G end 2.2 W, 50G ends 1.5 W
Min. bend radius	30 mm
Jacket	OFNP
Operating temperature	0 to +70 °C
Management	SFF-8636, DDM
Protocol	Ethernet (EDR / 100GbE)

ORDERING INFORMATION

GLOBALfiber item	Length	Coding	Replaces NVIDIA
Q100G-AOC2Q3M-NVE	3m	ETH Ethernet	MFA7A20-C003
Q100G-AOC2Q5M-NVE	5m	ETH Ethernet	MFA7A20-C005
Q100G-AOC2Q10M-NVE	10m	ETH Ethernet	MFA7A20-C010
Q100G-AOC2Q20M-NVE	20m	ETH Ethernet	MFA7A20-C020

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
- SFF-8665
- 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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