QSFP28 100G AOC

QSFP28 · 100G · active optical cable (AOC) · 1m, 3m, 5m, 10m, 15m, 20m, 30m · NVIDIA compatible

The GLOBALfiber Q100G-AOC-NV is a 100G active optical cable (AOC) with QSFP28 connectors for NVIDIA InfiniBand and Ethernet networks. It is available in lengths of 1m, 3m, 5m, 10m, 15m, 20m, 30m and is coded for NVIDIA equipment with InfiniBand or Ethernet coding.



KEY FEATURES

- QSFP28
- 100G, 4 × 25G NRZ
- Multimode fiber
- Power consumption < 2.2 W
- Lengths 1m, 3m, 5m, 10m, 15m, 20m, 30m
- Hot-pluggable, 0 to +70 °C

APPLICATIONS & COMPATIBILITY

- NVIDIA switches: Switch-IB 2 SB7800/SB7890, Quantum QM8700/QM8790 (HDR100/EDR)
- NVIDIA adapters / systems: ConnectX-4, ConnectX-5, ConnectX-6, ConnectX-6 Dx, ConnectX-7, BlueField-2/3
- Replaces NVIDIA MFA1A00-C003, MFA1A00-C005, MFA1A00-C010, MFA1A00-C015, MFA1A00-C020, MFA1A00-C030, MFA1A00-E001, MFA1A00-E003 and more

KEY SPECIFICATIONS

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

ORDERING INFORMATION

GLOBALfiber item	Length	Coding	Replaces NVIDIA
Q100G-AOC1M-NVI	1m	IB InfiniBand	MFA1A00-E001
Q100G-AOC3M-NVI	3m	IB InfiniBand	MFA1A00-E003
Q100G-AOC3M-NVE	3m	ETH Ethernet	MFA1A00-C003
Q100G-AOC5M-NVE	5m	ETH Ethernet	MFA1A00-C005
Q100G-AOC10M-NVI	10m	IB InfiniBand	MFA1A00-E010
Q100G-AOC10M-NVE	10m	ETH Ethernet	MFA1A00-C010
Q100G-AOC15M-NVI	15m	IB InfiniBand	MFA1A00-E015
Q100G-AOC15M-NVE	15m	ETH Ethernet	MFA1A00-C015
Q100G-AOC20M-NVI	20m	IB InfiniBand	MFA1A00-E020
Q100G-AOC20M-NVE	20m	ETH Ethernet	MFA1A00-C020
Q100G-AOC30M-NVI	30m	IB InfiniBand	MFA1A00-E030
Q100G-AOC30M-NVE	30m	ETH Ethernet	MFA1A00-C030

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 802.3bm
- 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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