QSFP-DD 400G AOC

QSFP-DD · 400G · active optical cable (AOC) · 3m, 5m, 10m, 20m · NVIDIA compatible

The GLOBALfiber QDD400G-AOC-NV is a 400G active optical cable (AOC) with QSFP-DD 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

- QSFP-DD
- 400G, 8 × 50G PAM4
- Multimode fiber (OM4)
- Power consumption 8 W per end
- Lengths 3m, 5m, 10m, 20m
- Hot-pluggable, 0 to +70 °C

APPLICATIONS & COMPATIBILITY

- NVIDIA switches: Spectrum-3 SN4700, Spectrum-4 SN5400
- Replaces NVIDIA C-DQ8FNM003-H0-M, C-DQ8FNM005-H0-M, C-DQ8FNM010-H0-M, C-DQ8FNM020-H0-M

KEY SPECIFICATIONS

Cable type	active optical cable (AOC)
Connectors	QSFP-DD
Data rate	400G
Lanes	8 × 50G PAM4
Conductor / fiber	Multimode fiber (OM4)
Power consumption	8 W per end
Min. bend radius	30 mm
Jacket	OFNP
Operating temperature	0 to +70 °C
Management	CMIS 4.0, DDM
Protocol	Ethernet (400GbE)

ORDERING INFORMATION

GLOBALfiber item	Length	Coding	Replaces NVIDIA
QDD400G-AOC3M-NVE	3m	ETH Ethernet	C-DQ8FNM003-H0-M
QDD400G-AOC5M-NVE	5m	ETH Ethernet	C-DQ8FNM005-H0-M
QDD400G-AOC10M-NVE	10m	ETH Ethernet	C-DQ8FNM010-H0-M
QDD400G-AOC20M-NVE	20m	ETH Ethernet	C-DQ8FNM020-H0-M

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

- QSFP-DD MSA
- IEEE 802.3cm
- 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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