

Cisco QDD-400-CU2.5M Datasheet



Cisco QDD-400-CU2.5M 400G QSFP-DD Transceiver, Passive Copper Cable, 2.5 meters

QDD-400-CU2.5M

The Cisco family of QSFP-DD modules provide the industry's highest bandwidth density while leveraging the backward compatibility to lower-speed QSFP pluggable modules and cables.

The Cisco 400GBASE Quad Small Form-Factor Pluggable Double Density (QSFP-DD) portfolio offers customers a wide variety of super high-density transceiver modules and the flexibility of 400 Gigabit Ethernet connectivity options for data center, high-performance computing networks, enterprise core and distribution layers, and service provider applications. The QSFP-DD modules are our new generation of 400G transceiver modules based on a QSFP-DD form factor.

Features and benefits of Cisco QSFP-DD modules

- Hot-swappable - Input/output device that plugs into 400G Ethernet Cisco QSFP port
- Interoperable - Interoperable with other IEEE-compliant 400GBASE interfaces where applicable
- Certified on Cisco platform - Certified and tested on Cisco QSFP-DD 400G ports for superior performance, quality, and reliability
- Compatible with IEEE 802.3 - High-speed electrical compliant to IEEE 802.3cd and IEEE 802.3bs
- Compatible with MSA - Optical and coding compliant to QSFP-DD MSA Rev4.1, OIF 56G PAM4, and 100G Lambda-

FR4 MSA

- Backward compatibility - QSFP-DD port is backward compatible with QSFP+ and QSFP28 modules

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The Cisco 400G QDD-400-CUxM module primarily enables high-bandwidth 400G links and supports 400G Ethernet rate. It provides a QSFP-DD-to-QSFP-DD copper direct-attach solution. QDD-400-CuxM cables are suitable for very short links and offer a cost-effective way to establish a 400-Gigabit link between QSFP-400G ports of Cisco switches/routers within racks and across adjacent racks. Cisco currently offers passive copper cables in lengths of 1, 2, 2.5, and 3 meters.

Specifications

- Part ID: QDD-400-CU2.5M
- Product description: Cisco 400G QSFP-DD Transceiver, Passive Copper Cable, 2.5 meter
- Cable type: Direct-attach copper cable assembly

- Cable distance: 2.5m
- Pull tab color: Yellow
- Nominal rate: 425Gbs
- High-speed electrical: 400GAUI-8 C2M, OIF CEI-56G-VSR-PAM4
- Max power consumption (W): 1.5W
- Cable Weight: 550g
- Operation temperature: 0 to 70°C

- Storage temperature: -40 to 85°C

Platform support

Cisco QDD-400-CU2.5M is supported on a wide range of Cisco equipment.

- Cisco Nexus 9316D-GX
- Cisco N3432D-S

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