

Cisco QDD-400G-SR8-S Compatible  
400GBASE-SR8 QSFP-DD PAM4  
Optical Transceiver Module  
(MMF, 850nm, 100m, MTP/MPO,  
DOM)



## Product Specifications

<b>Form Factor</b> QSFP-DD	<b>Data Rate</b> 400Gbps
<b>Wavelength*</b> 850nm	<b>Cable Distance*</b> 70m@OM3/100m@OM4
<b>Connector</b> MTP/MPO-16 (APC)	<b>Cable Type</b> MMF
<b>Transmitter Type</b> VCSEL 850nm	<b>Receiver Type</b> PIN
<b>TX Power</b> -6~4dBm	<b>RX Power</b> -7.9~4dBm
<b>Power Budget</b> 1.9dB	<b>Modulation</b> 8x 50G PAM4
<b>Power Consumption</b> ≤10W	<b>Extinction Ratio</b> 3dB
<b>DDM/DOM</b> Yes	<b>Commercial Temperature</b> 0 to 70°C
<b>DSP</b> TX and RX	<b>Inbuilt FEC</b> No
<b>Core Size</b> 50/125µm	<b>Packaging Technology</b> COB
<b>Protocols</b> IEEE 802.3cd, QSFP-DD MSA, CMIS 4.0	

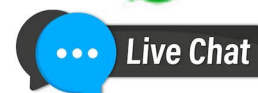
\* Lane Center Wavelengths Range 840 - 860nm.

\* Full 70m/100m reach requires the use of FEC on the host platform.



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**Compatible Switches and Routers:**

Cisco 8000 Series Routers (8201-SYS)  
Cisco 8000 Series Routers (8202-SYS)  
Cisco 8000 Series Routers (8800-LC-36FH)  
Cisco 8000 Series Routers (8201-32FH)  
Cisco 8000 Series Routers (88-LC0-36FH-M)  
Cisco 8000 Series Routers (88-LC0-36FH)  
Cisco ASR 9000 Series (A9K-20HG-FLEX-SE)  
Cisco ASR 9000 Series (A9K-20HG-FLEX-TR)  
Cisco ASR 9000 Series (A9K-8HG-FLEX-SE)  
Cisco ASR 9000 Series (A9K-8HG-FLEX-TR)  
Cisco ASR 9000 Series (A9K-20HG-FLEX-FC)  
Cisco ASR 9000 Series (A9K-8HG-FLEX-FC)  
Cisco ASR 9000 Series (ASR-9903)  
Cisco ASR 9000 Series (A9903-20HG-PEC)  
Cisco ASR 9000 Series (A99-10X400GE-X-TR)  
Cisco ASR 9000 Series (A99-10X400GE-X-SE)  
Cisco Nexus 3000 Series (N3K-C3408-S)  
Cisco Nexus 3000 Series (N3K-C3432D-S)  
Cisco Nexus 9300 Series (N9K-C93600CD-GX)  
Cisco Nexus 9300 Series (N9K-C9316D-GX)  
Cisco Nexus 9300 Series (N9K-C9332D-GX2B)  
Cisco Nexus 9500 Series (N9K-X9716D-GX)  
Cisco Nexus 9500 Series (N9K-X9624D-R2)  
Cisco NCS 5500 Series (NC57-24DD)  
Cisco NCS 5500 Series (NC57-18DD-SE)

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