

# Om3 multimode fiber with 100g optical module



## Overview

The 100GBASE-SR4 QSFP28 optical transceiver is a parallel 103.1 Gbps quad small form-factor pluggable QSFP28 module for 100GBASE Ethernet. It provides 100Gb/s throughput up to 100 meters on OM4 and 70 meters on OM3 multimode fiber (MMF) with host FEC using 850nm wavelength. The Cisco 100GBASE Quad Small Form-Factor Pluggable (QSFP) portfolio offers customers a wide variety of high-density and low-power 100 Gigabit Ethernet connectivity options for data center, high-performance computing networks, enterprise core and distribution layers, and service provider. Yes, OM3 (Optical Multimode 3) fiber optic cabling can support 100 Gigabit Ethernet (100Gbps) transmission. OM3 is a type of multimode optical fiber with a higher bandwidth compared to its predecessor, OM2. This larger core allows easier light injection and lower-cost optical sources (LEDs and VCSELs), making multimode fiber the cost-effective choice for. Multimode fiber remains a leading optical media in the data center for short-reach distances up to 150 meters.



## Article Content

### Data Center 40G and 100G Multimode Fiber

Learn how 40G and 100G multimode fiber connectivity continues to provide reliable and low-cost solutions in the data center.

### OS1, OS2 vs OM1-OM5 Fiber Cables: Differences, Speeds, and

Explore the differences between OS1, OS2 (single-mode) and OM1, OM2, OM3, OM4, OM5 (multimode) fibers. Learn their speeds, distances, and ideal uses for data centers and telecom

### The Ultimate Guide to Fiber Optic Cables - Types, Standards, and ...

Discover how to choose the right fiber optic cables for your network. Learn about fiber types, cable constructions, connectors, and industry standards — plus expert recommendations from

### Everything You Need to Know About Multimode Fiber

Explore multimode fiber optic cables for enterprise, campus, and data center networks. Learn about OM1-OM5 types, transmission ranges,

### The Ultimate Guide to SFP Modules (2026): Types,

Confused by SFP vs SFP+? Read the definitive 2026 guide on SFP modules. We explain Single Mode vs Multimode, DDM diagnostics, and how to choose the

### Cisco 100GBASE QSFP-100G Modules Data Sheet

The Cisco 100GBASE-SL4 Short Link QSFP Module supports link lengths of up to 20m over OM3 and 30m over OM4 Multimode Fiber with MPO connectors. It primarily enables high-bandwidth 100G

### Can OM3 do 100Gbps

Yes, OM3 (Optical Multimode 3) fiber optic cabling can support 100 Gigabit Ethernet (100Gbps) transmission. OM3 is a type of multimode optical fiber with a higher bandwidth compared

### Multimode and Single-Mode Fiber Optics: A Comprehensive Guid

Fiber optic cabling is the backbone of modern high-speed networks, carrying data as pulses of light across campuses, data centers, metro links, and long-haul infrastructure. Two main types

### 100G QSFP28 Cable and Transceiver Modules Data Sheet | FS

The QSFP-SR4-100G Module supports link lengths of up to 70m (100m) over OM3 (OM4) Multimode Fiber with MTP/ MPO connectors. It primarily enables high-bandwidth 100G optical links over 12-fiber

## 100Gbps QSFP28 Optical Modules

QSFP-100G-CWDM4 QSFP28-100G-LR4 QSFP28-100G-SR4 QSFP-100G-4WDM-40  
QSFP-100G-CWDM4-ISP QSFP-100G-CWDM4-Lite QSFP-100G-ER4 QSFP-100G-SWDM4  
QSFP28-100G-1310

### Multi-mode optical fiber

Multi-mode optical fiber is a type of optical fiber mostly used for communication over short distances, such as within a building or on a campus. Multi-mode links can

### Guide to Fiber Network Cards: 10G/25G/100G NIC

Comprehensive guide to fiber NICs: SFP/SFP+/SFP28/QSFP28 speeds, SMF vs MMF, DAC vs AOC, PCIe compatibility, installation steps,

### 100G QSFP SR4 100m

- Single 1x12 MPO receptacle
- Built-in digital diagnostic functions
- Up to 70 m on OM3 multimode fiber
- Up to 100 m on OM4 multimode fiber
- Low power

### OS1 vs OS2, OM3 vs OM4 vs OM5 – Fiber Optic Cable

Discover the key differences between OS1 and OS2 singlemode fibers, and OM3, OM4, OM5 multimode cables. Learn how to select the right

### 100GBASE-SR4 QSFP28 Optical Transceiver

The 100GBASE-SR4 QSFP28 optical transceiver is a parallel 103.1Gbps quad small form-factor pluggable QSFP28 module for 100GBASE

### Multimode vs Single Mode Fiber Patch Cords: Which

Find out how to choose between single mode patch cord, lc lc single mode, sc lc single mode, and duplex OM3 multimode fiber for reliable network

### Data Center 40G and 100G Multimode Fiber

Forty and 100G multimode fiber backbones are being deployed to facilitate data center 10G and 25G server connections. Multimode fiber enables the utilization

### Single Mode vs Multimode Fiber, What is The

Learn the key differences between single mode vs multimode fiber cables and choose the right one for your fiber optic system.

### High Density 12 Cores OM5 Multimode MPO Fiber Optic Cable with

This MPO fiber optic cable features MPO Male to MPO Female connectors and utilizes Multimode 50/125 100GB OM5 fiber. The model is a 12 fiber MPO cable with Type B (Key up, Key Up) polarity

### Dell networking transceivers and cables

Dell enables cost-savings through the reuse of a legacy 10GbE fiber plant to support newer 40GbE connections with our 40GbE duplex (multimode) fiber solutions. These solutions use wavelength

#### 100G QSFP Module

Uses standard Duplex LC connectors and utilizes existing structured single mode fiber to transmit 100Gig up to 10km.

#### Structured Cabling Solutions

ICC is a structured cabling solutions manufacturer of copper & fiber optic connectivity products for commercial & residential applications.

#### OM1 vs OM2 vs OM3 vs OM4 vs OM5 Multimode Fiber

Compare OM1, OM2, OM3, OM4, and OM5 multimode fiber specs, distances, bandwidth, and applications. Essential guide for data center fiber

#### Single Mode vs Multimode Fiber: Choosing the Right

Singlemode vs. multimode fiber: Learn the core differences in distance, speed, and cost. Our guide helps you choose the right fiber for your

#### Multimode Fiber Data Sheet

OM3 Fiber 50/125 This fiber is a laser-optimized, bend-insensitive, graded-index multimode fiber designed for transmission speeds of 10 Gb/s and beyond.

#### Brocade 57-1000117-01 8Gbps Fibre Channel SFP+ Module With

This optical module adopts an 850nm short-wave multimode optical design, supporting 2G/4G/8Gbps three-rate adaptive transmission with a maximum rate of 8Gbps. It can achieve stable transmission

#### Custom 5-meter 2.0mm Lszh Om3 Duplex Lc/upc Fiber Patch Cord

The LC/UPC-LC/UPC-OM3-DX-2.0-5M is a duplex multimode fiber patch cord designed for high-speed data centers and enterprise networks. Featuring OM3 multimode fiber and LC/UPC connectors, with

#### Multimode Fiber Cable Types: OM1/OM2/OM3/OM4/OM5 Compared

Compare all five multimode fiber grades — OM1 through OM5 — with full specs, bandwidth, distance limits, and real-world data center use cases. Learn which grade fits your

## Contact Us

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