# UPC optical module model



## Overview

The Ubiquiti UACC-OM-QSFP28-LR4 is a high-performance 100G LR4 single-mode optical module designed for long-range, high-speed data transmission. SFP+ transceiver that supports 10G connections up to 10 km using single-mode fiber with a duplex LC UPC connector. Power Consumption CLASS 1 LASER PRODUCT, IEC/EN 60825-1:2014 Do not look into the ends of the fiber optic cable or SFP module while converters are. These are specifications for the 25GBASE-SR 100m SFP28 optical transceiver module. These are specifications for the 40GBASE-SR4. EDGE™ modules provide the interface between the MTP® connector on the trunk and the LC duplex patch cords that will then connect directly into the electronics or as a crossconnect in the main distribution area (MDA). The ultra-low-loss modules allow for extended-reach capabilities in high-speed. Optical connectors ensure efficient and reliable connections between fiber optic cables. 400G transceivers support the following connector types: MPO-12/APC and MPO-12 BiDi/UPC—A. NG4access ® Cabled Modules available in all module sizes and fiber counts up to 864 fibers NG4access ® Splice Tray Four sizes of interchangeable Propel fiber pass-through adapter packs provide the breadth of capabilities for virtually any configuration.



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## Article Content

Jan 17, 2026

FPV Optical fiber image transmission module for Drone,

OverviewThis FPV Optical fiber image transmission module is designed for Fiber Optic Drone applications, providing wired video and control-signal transport over

Sep 12, 2025

25G Multi-Mode Optical Module

SFP28 transceiver that supports 25G connections up to 100 m using multi-mode fiber with a duplex LC UPC connector.

Sep 19, 2025

The difference between a PC, SPC, UPC and APC finish on a fiber optic ...

The difference between a PC, SPC, UPC and APC finish on a fiber optic connector and which one you should choose Whenever a connector is installed on the end of fiber, loss is incurred.

Jul 06, 2025

Ubiquiti UACC-OM-QSFP28-LR4 100G LR4 Single-Mode Optical

Engineered for compatibility with QSFP28 and QSFP+ interfaces, this transceiver supports 100 Gbps connections over distances up to 10 km using duplex LC UPC connectors and single-mode fiber.

Apr 12, 2026

SFP28 25GBASE-ZR 1300nm 80km DOM Duplex LC/UPC SMF

The module optical connection is duplex LC and shall be compatible with SFP+ 28Gbps and backward compatible with legacy 10G SFP+ pluggable. The SFP28 ZR module is a dual directional device with

Mar 19, 2026

10G Single-Mode Optical Module

SFP+ transceiver that supports 10G connections up to 10 km using single-mode fiber with a duplex LC UPC connector.

Mar 16, 2026

ECM-UM12-04-89G-ULL | EDGE™ Module, Ultra Low

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The OS2 EDGE ultra-low-loss modules are specified to 0.60 dB compared to 1.0 dB for the standard EDGE module. The internal wiring based on universal polarity

Mar 11, 2026

LC/UPC Multimode Fibre Optic Loopback Module

Collocated with 10G or 40G or 100G LC/UPC interface transceivers Loopback Module can be used for testing the transmission capability and receiver

Mar 05, 2026

What is UPC (Ultra Physical Contact)?

This article covers Ultra Physical Contact (UPC) fiber optic connectors, their benefits, applications, and comparison with APC and PC connectors.

Feb 25, 2026

Ultimate Guide to APC, UPC, and PC Fiber Optic Connectors: Types ...

Explore the key differences between APC, UPC, and PC fiber optic connectors. Learn about their performance, compatibility, applications, and expert selection tips to optimize your network.

Jan 16, 2026

Ubiquiti 10Gbps optisches Single-Mode-Modul, 2-Pack

Das 10 Gbps Single-Mode Optical Module, Modell UACC-OM-SM-10G-D-2, hergestellt von Ubiquiti, ist ein fortschrittlicher optischer Transceiver, der für die

Aug 24, 2025

Fiber SFP Module Compatibility with APC, UPC, PC

Conclusion Now, it''s clear that UPC and PC connectors are generally used in Ethernet network equipment like fiber switch, and are compatible with most

Jul 30, 2025

Understanding LC UPC Fiber Optic Patch Cables: A

Discover the essentials of LC UPC fiber optic patch cables in our comprehensive guide, covering types, applications, and performance differences

Jan 10, 2026

Fiber Panels, Modules & Cassettes

Explore CommScope''s efficient and scalable fiber splice panels designed for seamless connectivity. Accommodating LC, SC, and MTP/MPO connectors,

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Jan 22, 2026

Insertion Module 2×8 SC/UPC Optical Fiber Splitter Model:

Insertion module 2×8 SC/UPC optical fiber splitter model is a fiber optic media converter, which provides an economical solution for deploying long-haul fiber links.

Oct 03, 2025

UPC, PC & APC Connectors: How to Choose the Right

UPC, PC, and APC connectors differ in polish type, return loss, and application. This guide explains how each connector works and helps you choose

Oct 29, 2025

LC/UPC Duplex PVC (OFNR) 9/125 Single-mode Fiber

Efficiently test & troubleshoot fiber optic connections with this LC/UPC Duplex Single-Mode Loopback Module (9/125µm). Durable PVC (OFNR) jacket. Ideal for data

Jul 14, 2025

SPLITTER OPTIC PLC 1 2 1 4 1 8 & 1 16 Cassette type SC UPC Juni25

Description SPLITTER OPTIC PLC is a passive device that divides optical signals from one fiber optic cable into several cables. SPLITTER OPTIC PLC 1×2, 1×4, 1x8, 1x16 CASSETTE TYPE (BOX)

Jul 21, 2025

Transceiver Modules

The module accepts eight host electrical data and transmits them into two groups of optical bi-directional lanes (each group contains 4 pairs of optical

Dec 05, 2025

Optical Transceiver Market Price Trends 2026: TCO & Risks

Optical Transceiver Market Price Trends 2026: The 800G Shift Procurement forecasts frequently project aggressive price drops for 800G optics by 2026, ignoring the non-linear power

May 28, 2026

APC vs UPC vs PC Fiber Connectors: Differences, Uses, and

In the realm of fiber optic networks, where even the smallest imperfections can disrupt data flow, the polish of a connector''s ferrule is a make-or-break factor. APC (Angled Physical

Oct 09, 2025

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Connector Types | Juniper Networks

BiDi/UPC—Ultra physical contact (UPC) denotes a rounded optical fiber endface that is polished to maintain a very smooth, slightly curved surface (nearly zero degrees). UPC helps to

Dec 21, 2025

XG-SFP-LR-SM1310 10GBASE-LR SFP+ 1310-nm 10-km DOM

XG-SFP-LR-SM1310 10GBASE-LR SFP+ 1310-nm 10-km DOM Duplex LC SMF Optical Transceiver Module Applicable to data center and campus networks, enabling cost-effective, efficient, and high

Jan 28, 2026

Description of the optical connectors SC / APC and SC / UPC used in ...

To connect to the SC connector, fiber-optic patch cords are used (with connectors of the same type or connectors of different types), which are intended for switching between the ports of the active

Sep 15, 2025

UniFi 100G SR4 Multi-Mode Optical Module

QSFP28 transceiver that supports 100G connections up to 100 m using multi-mode fiber with an MPO-12 Type B UPC connector.

Dec 17, 2025

24 Port LC Fibre Patch Panel, OS2 Single Mode

1U 19” Pre-loaded LC fibre patch panel (48 fibres, OS2 singlemode) provides efficient and easy management of fibre optic cables in the rack or cabinet.

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## Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: https://regen-power.co.za
Email: info@regen-power.co.za
Phone: +49 176 845 2036
Address: Taunusanlage 15, 60325 Frankfurt am Main, Germany

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