

850nm transmission optical module



Overview

Operating at 850nm wavelength and supporting up to 300 meters via OM3 fiber, this compact and energy-efficient module is ideal for data centers, server rooms, and switch-to-switch interconnects. It meets SFP+ MSA and IEEE 802.3ae standards and supports full DDM functionality. 850 nm Fiber Optic Transmitters, Receivers, Transceivers are available at Mouser Electronics. Leveraging VCSEL (Vertical-Cavity Surface-Emitting Laser) technology, 850nm modules offer low power consumption, high compatibility, and strong. Find a huge range of 850nm Fibre Optic Transceiver Modules at Farnell® UK. We stock a wide range of Fibre Optic Transceiver Modules, such as 1310nm, 850nm, 1308nm & 1300nm Fibre Optic Transceiver Modules from the world's top manufacturers including: Broadcom, Startech, Eaton Tripp Lite, Amphenol. Vchung's 10Gbps XFP transceiver is a multi-purpose optical transceiver module for 10Gbit/s data transmission applications at 850nm. It is ideally suited for 10 GbE datacom (belly-to-belly for high density applications) and storage area network (SAN/NAS) applications based on the IEEE 802. It's transmission distance up to 550m. The F423SS7485 of Small Form Factor Pluggable (SFP) transceiver module is specifically designed for high performance integrated duplex data link over multi mode optical fiber.



Article Content

Jun 25, 2026

Arista XVR-00060-02 QSFP-SR4 40G SR 850NM QSFP+ Optic

The XVR-00060-02 Arista 40G SR 850nm Transceiver is a high-speed optical module engineered for short-reach multimode fiber connectivity. It delivers reliable 40Gbps transmission, making it an

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SFP-10G-SR Multimode Fiber MMF 10G SFP+ Transceiver 850nm

SFP-10G-SR Multimode fiber MMF 10G 850nm 300m SR SFP+ Transceiver Product Description SFP+ SR is specifically designed for the high performance integrated duplex data transmission over multi

May 02, 2026

What is the difference between SFP 1310nm and 850nm□

In summary, 850nm SFP modules are an excellent choice for short-range, high-speed, and cost-effective optical communication, particularly in data center and enterprise networking environments.

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10 Gbit/s SFP+ Optical Modules

10 Gbit/s SFP+ optical modules apply to 10 GE optical ports. The wavelength can be 850 nm, 1310 nm, or 1550 nm, and the transmission distance ranges from 0.5 km (0.31 mi) to 80 km (49.71 mi).

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Understanding Optical Transmission Windows: A Complete Guide for ...

Optical transmission windows are more than theoretical constructs—they're engineering blueprints for building high-performance, scalable, and cost-effective optical networks. By

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850nm Optical Transceivers: The Best Solution for Short

Perfect Match with MMF: Optimized for OM3, OM4, and OM5 multimode fibers, 850nm modules ensure reliable short-reach transmission at

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100G QSFP28-SR4 100m 850nm Optical Transceiver/Optical Module

Buy low price 100g Qsfp28-sr4 100m 850nm Optical Transceiver/optical Module by Guilin Tryin Technology Limited Company, a leading supplier from China. 2848 similar products are also

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850 nm Fiber Optic Transmitters, Receivers, Transceivers

Mouser offers inventory, pricing, & datasheets for 850 nm Fiber Optic Transmitters, Receivers, Transceivers.

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SFP+ 10G 850nm Multimode Optical Transceiver

8. Digital Diagnostics / Digital Optical Monitoring The transceiver provides serial ID memory contents and diagnostic information about the present operating conditions by the 2-wire serial interface (SCL,

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What Is an Optical Module and Its FAQs (V200)

What Is an Optical Module and Its FAQs (V200) Describes what an optical module is and FAQs, including the fundamentals, appearance and structure, key performance counters, common types,

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Huawei OMXD30000 02318169 10G 850nm 0.3km MM SFP

The Huawei Technologies OMXD30000 (Part Number: 02318169) is a high-performance 10Gb SFP+ optical transceiver designed for enterprise networking, data center connectivity, and high-speed fibre

Apr 06, 2026

Optical Transceiver Module

Classified by transmission rates Depending on transmission rates, optical modules are classified into 400G, 100G, 40G, 25G, 10G, 1G, and 100M optical modules.

May 27, 2026

200G/400G/800G Optical Transceiver Modules | FiberMall

200G/400G/800G optical module features up to 40km transmission distances using QSFP56/QSFP-DD footprints for data center interconnect applications - FiberMall

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800G Optical Modules Explained: Standards, Types

Discover everything about 800G optical modules—standards, packaging, types & applications. Learn how they power AI, HPC & next-gen data

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Connection Schemes for Optical Module and Fiber Patch Cord

40G QSFP SR4 optical module operates at a wavelength of 850nm, using MPO connectors, and pairs with OM3 multimode fiber patch cords for distances up to 100M and OM4

Jan 29, 2026

850nm SFP Transceiver Guide: Uses, Specs & Fiber Types

An 850nm SFP (Small Form-factor Pluggable) transceiver is a hot-swappable optical module designed to support Ethernet data transmission over multimode fiber (MMF).

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Optical Module Encapsulation Types

The eSFP and SFP optical modules have the same functions and services. They can substitute for each other as long as they have the same optical power, sensitivity, and transmission distance. The eSFP

Feb 08, 2026

10GBASE-SR XFP 850nm 300m MMF Optical

Vchung's 10Gbps XFP transceiver is a multi-purpose optical transceiver module for 10Gbit/s data transmission applications at 850nm.

Jan 13, 2026

Pluggable Optical Module Market Research Report 2034

Pluggable optical modules, encompassing SFP, SFP+, QSFP, QSFP+, CFP, CFP2, and CFP4 form factors, serve as the foundational building blocks of modern optical networking, enabling high

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850nm Fiber Optic Module | Optomarine

Optomarine's 850nm optical module for communication links is excellent for long-distance transmission and is the best solution to prevent malfunctions due to

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XVR-00001-02 Arista 10GBPS SFP+ 850nm Transceiver

850nm Optical Technology for Reliable Data Transmission The Arista XVR-00001-02 uses 850nm VCSEL laser technology to deliver stable and efficient optical communication over multimode fiber.

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Fiber Optic Transceiver: The Simple Guide to What It Is

What Is a Fiber Optic Transceiver? A fiber optic transceiver (also called an optical transceiver) is a compact module that both transmits and

Mar 15, 2026

RS-232 Control 1x2 Mechanical Optical Switch Module 850nm

RS-232 control 1x2 Mechanical Optical Switch Module 850nm Latching Optic Switches Product Description Gezhi 1x2 mechanical optical switch Module is a kind of light path control equipment. It

Jul 01, 2025

Generic Compatible 400GBASE-SR8 QSFP-DD

NADDOD Generic Compatible 400G QSFP-DD SR8 optical transceiver modules are designed for AI and HPC data center 400G Ethernet networks. This 400G module

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1G SX 850nm SFP Optical Transceiver | Cutting-Edge Optical

We offer a diverse range of products, including 1G SX 850nm SFP Optical Transceiver, SFP, QSFP, and CWDM transceivers, designed to ensure superior performance in 5G networks, telecommunication

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OSP-MM1 Optical MM 850nm 10G SFP+ Transceiver

OSP-MM1 is a fiber optic transceiver for 850nm multimode signals. This standard pluggable SFP+ optical module has two LC connectors for reception and

Oct 22, 2025

10G-SFP+ SR 850nm 300M

Operating at 850nm wavelength and supporting up to 300 meters via OM3 fiber, this compact and energy-efficient module is ideal for data centers, server rooms, and switch-to-switch interconnects.

Contact Us

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