



ZTP Thermal & Power

80km Industrial-Grade Optical Module



Powered by ZTP Thermal & Power



80km Industrial-Grade Optical Module

80km SFP Modules: Core Applications & Technical Essentials

The 80km SFP is a compact, hot-pluggable optical transceiver module standardized for long-distance fiber optical communication, with a maximum single-fiber transmission distance of 80

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SFP 80km Modules: Performance Analysis of Premium Optics

Explore how SFP 80km optical modules deliver reliable long-distance fiber connectivity. Learn key specifications, performance metrics, and deployment insights.

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1.25G BiDi SFP 80km Industrial Side B , EDGEOPTIC

Our 1.25G BiDi SFP 80km industrial transceiver provides rugged single-fiber connectivity for extreme conditions. Supporting 80km transmission at 1550/1490nm wavelengths, this industrial

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Application Scenarios of 10Gb/s 80km SFP+ Optical

The module complies with 10G SONET/SDH and OTU2/2e standards, supporting high-speed optical transport networks (OTN). Its industrial-grade

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Industrial-Grade SFP Gigabit Single Fiber 10KM/20KM/40/80KM

Fiber Optic Receivers Transmission distance: 20 Transmission method: single fiber double peak Emission wavelength: 1310/1550 Voltage input: 3.3 Module type: SFP Working



Professional Guide to Industrial Optical Modules

While commercial-grade optical modules are usually suitable for environments ranging from 0°C to 70°C, industrial-grade optical modules are capable of operating under extreme

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Enabling Long-Reach 10G Connectivity: The 80km

In today's data-driven world, the demand for high-speed, reliable, and long-distance optical connectivity continues to grow. The CC-PII448L-xD 10Gb/s

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2GFC/4GFC SFP 150m~80km Optical Transceiver Module



(Industrial Grade

2GFC/4GFC SFP 150m~80km Optical Transceiver Module (Industrial Grade Optional)
GIGALIGHT 2GFC/4GFC SFP optical transceiver module complies with 2G/4G Fiber Channel specifications and

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10G SFP+ BiDi 10~80km Single-fiber Bidirectional

The modules are fully compatible with 10G CPRI, SONET OC-192 / SDH STM-64, and 10G Fibre Channel standards. Designed for single-fiber transmission over

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2.5G SFP 300m~80km Optical Modules (Industrial Grade Optional)

GIGALIGHT's 2.5G SFP series optical transceiver modules are widely used in synchronous optical networking (SONET OC-48 / SDH STM-16) and are compatible with Gigabit Ethernet and 1G/2G



Development trend of optical

Development trend of optical interconnect technology in intelligent computing centers
Summary 6 High rate :Intelligent computing centers are driving the acceleration and innovation of optical module chips

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What Makes Industrial Grade 100G Optical Transceivers

Industrial Grade 100G Optical transceivers ensure high-speed, reliable data transmission in harsh environments, making them vital for modern network

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Understanding SFP Modules: Wavelength and Color Codes



A commercial-grade transceiver is suitable for standard indoor conditions, while industrial-grade modules are recommended for harsh outdoor or extreme-temperature applications. 5.

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BTON 1.25G DWDM Optical Fiber Transceiver DWDM CH20~59 SFP Module 80KM

All modules satisfy class I laser safety requirements. DWDM SFP transceiver provides an enhanced monitoring interface, which allows real-time access to device operating parameters such as

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10G SFP+ DWDM 40km/70km/80km Optical Module

The series uses 1 pair of singlemode fibers for transmission, C-band 100GHz/50GHz multiple operating wavelength options, distances up to 40km, 70km or 80km, and

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50G SFP56 DWDM EML 80km SMF LC Optical

50G SFP56 DWDM EML 80km SMF LC Optical Transceiver Module (Industrial Grade Optional) FIBERSTAMP 50G SFP56 DWDM optical transceiver module is

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10G SFP+ CWDM 10~80km Optical Module (Industrial Grade

GIGALIGHT's 10G CWDM SFP+ optical transceiver modules are widely used in 10G Ethernet, Optical Transport Network (OTN OTU2e) and 10G CPRI base station pre-transmission, and are compatible

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8GFC/16GFC SFP+ 100m~80km Optical Transceiver Module (Industrial Grade



8GFC/16GFC SFP+ 100m~80km Optical Transceiver Module (Industrial Grade Optional)
GIGALIGHT 8GFC/16GFC SFP+ optical transceiver module complies with 8G/16G Fiber Channel specifications

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10G CWDM SFP+ 1470nm~1610nm 80km Industrial DOM Transceiver

FS's SFP+ transceivers support up to 80km link lengths over single-mode fiber (SMF) and is suitable for 10G Ethernet and Data Center applications. It is compliant with IEEE 802.3ae, SFP+ MSA, SFF

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100G QSFP28 ZR4 80Km LWDM4 1310nm Dual LC

100G QSFP28 ZR4 80Km LWDM4 1310nm Dual LC Optical Transceiver Module The 100G QSFP28 ZR4 optical transceiver is a high-performance, long-reach module

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Wholesale Optical Transceivers Module , 100G

Shop high-speed optical transceivers from Unitekfiber. We offer 100% compatible 40G, 100G, and 400G QSFP-DD modules for data centers. Expert technical

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Custom 40G QSFP+ and 50G SFP56/QSFP28 Modules

WolonFiber manufactures strictly MSA-compliant 40G QSFP+, 50G SFP56, and 50G QSFP28 optical interconnects optimized for mission-critical telecommunications and campus deployments.

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10G SFP+ BiDi 10~80km Single-fiber Bidirectional

The GIGALIGHT's 10G BiDi SFP+ series of optical transceiver modules are widely used in



10G Ethernet and Optical Transport Networks (OTN OTU2e), and are

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How to Achieve 80km Reach: The 40G ZR4 Optical Module for Long

In summary, the 40G ZR4 optical module has established itself as a benchmark in the mid-high-end long-haul market by masterfully combining 80km reach, high cost-effectiveness, and

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50G SFP56 DWDM EML 80km Optical Transceiver Module (Industrial Grade)

The GIGALIGHT 50G SFP56 DWDM optical transceiver module is used for 5G fronthaul, conforms to 50 Ethernet transmission protocol, and is also compatible with 50G eCPRI transmission protocol. This

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Enabling Long-Reach 10G Connectivity: The 80km

The CC-PII448L-xD 80km SFP+ Transceiver bridges the gap between high-speed performance and long-distance requirements. By integrating cutting

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10G SFP+ DWDM 40km/70km/80km Optical Module

10G SFP+ DWDM 40km/70km/80km Optical Module (Industrial Grade Optional)
GIGALIGHT's 10G SFP+ DWDM optical transceiver modules for metro telecom,

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Custom 40G QSFP+ ZR4 Module , 80km SOA+APD

Break the 80km distance barrier. The 40G QSFP+ ZR4 Module leverages built-in SOA pre-amplifiers and APD receivers for extreme-reach, unamplified 40Gbps WAN connectivity.



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