

# 25G Optical Module LWDM





## 25G Optical Module LWDM

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### Introduction To 25G-LWDM Colored Optical Modules

In 25G application scenarios, operators mainly adopt two schemes for 12-wave colored optical modules, namely MWDM and LWDM, with the following characteristics:

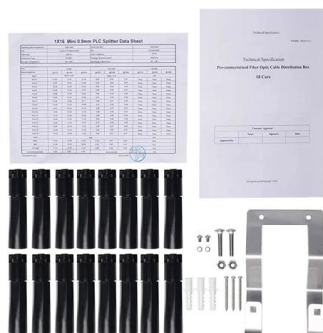
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### 25G LWDM/DWDM SFP28 : Optical Transceiver Module

25G LWDM/DWDM SFP28 WDM SFP is an optical transceiver that utilizes Wavelength Division Multiplexing technology. Recently, the use of wavelength



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### How Optical Modules Power the Evolution of 5G Networks

Optical modules enable high-speed, low-latency 5G networks by converting signals for fast, reliable data transfer, supporting seamless

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### Pluggable Optical Module Market Research Report 2034

The pluggable optical module market was valued at \$9.8 billion in 2025 and is projected to reach \$26.4 billion by 2034, growing at a CAGR of 11.6%.



### **25G 20Km LWDM SFP28 , Broadex Technologies**



Product Features Supports 25GE and eCPRI, with data rate up to 25.78125Gbps 18dB link budget, up to 20km transmission distance over SMF LWDM

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### **What is the difference between 25G LWDM and 25G MWDM optical modules**

Under normal circumstances, the operating temperature of SFP28 LWDM optical module is -40? to 85?, and the transmission distance is 10KM-40KM. The LWDM optical module is also

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### **Industrial 25G LWDM SFP28 40km Optical Transceiver**



The Gigalight industrial 25G LWDM SFP28 40km optical transceiver (GSS-Sx250-ERT) is designed for Data Center 25GBASE-ER Ethernet and 5G Fronthaul CPRI/eCPRI links reach up to 30km without

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## 25G WDM SFP28 Optical Transceiver Module

FS 25G WDM SFP28 transceiver solutions provides a variety of connectivity options (CWDM/DWDM/LWDM) for short range or long-haul transmission in 5G mobile access network.

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## The Most Comprehensive Guide Of Optical Modules

Explore the ultimate guide to optical modules. Learn types, functions, performance metrics & how to choose the right module for your fiber network.

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## Optical module

Optical modules can either plug into a front panel socket or an on-board socket. Sometimes the optical module is replaced by an electrical interface module that implements either an active or passive

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## 25G 20Km LWDM SFP28 , Broadex Technologies

25G 20Km LWDM SFP28 Product Features  
Supports 25GE and eCPRI, with data rate up to 25.78125Gbps 18dB link budget, up to 20km transmission distance

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## 25G SFP28 WDM Optical Transceiver Modules , FiberMall

FiberMall provides 25G CWDM/DWDM/LWDM Transceiver Modules fitting into standard SFP28 slots and with real-time digital diagnostic monitoring functions.

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## Fiber Optical Transceivers Modules Solution

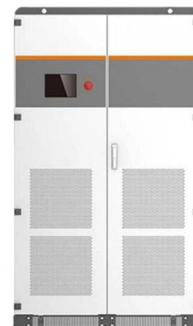
A fiber optic transceiver is adapted for use in transmitting and receiving optical signals in a fiber-optical network. With strong research and development

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## Pluggable Optical Modules - GIGALIGHT

GIGALIGHT provides 100G, 200G, and 400G pluggable digital coherent optical transceiver modules (DCO) for data center interconnection (DCI), 5G backhaul, metro telecommunication, and other long

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## 25G SFP28 Optical Transceiver Modules , AscentOptics

25G SFP28 optical transceivers include 850nm, 100m over multimode fiber, and 10km, 20KM LR, 30km, 40km ER, and 80km ZR over single-mode fibers - AscentOptics.

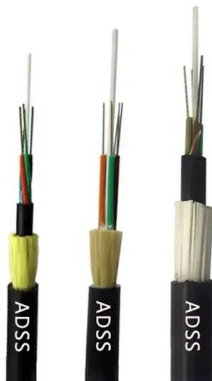
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## 25G SFP28 LWDM

The 25G SFP28 LWDM Transceiver is a high-performance optical module designed for 25 Gigabit Ethernet communication in modern fiber optic networks.

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## Introduction To 25G-LWDM Colored Optical Modules

Derived from 100G/400G CWDM and Lan-WDM technologies, this scheme fully leverages the reuse of the optical communication industry chain. It defines 12 LWDM wavelengths with low

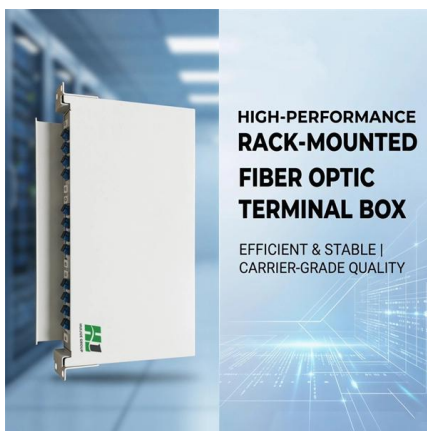
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## 25G LWDM SFP28 1286.66nm-1309.14nm 40km DOM Transceiver

Description FS's 25G LWDM is a very compact optical transceiver module converts 25Gbit/s serial CML electrical data into serial optical data compliant with the 25GBASE-ER standard. The EML



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## LWDM-25G-SFP28-40I-277

Our 25G LWDM SFP28 40km industrial transceiver enables extended LAN wavelength division multiplexing. Supporting 8 LWDM channels (277-309) in 1260-1360nm grid, this module operates

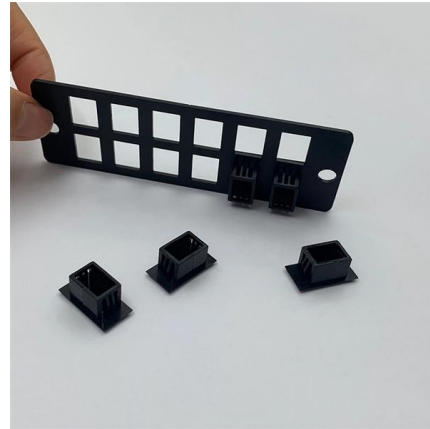
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## Optical Modules Market Research Report 2034



The optical modules market was valued at \$14.8 billion in 2025 and is projected to reach \$39.6 billion by 2034, growing at a CAGR of 11.5%.

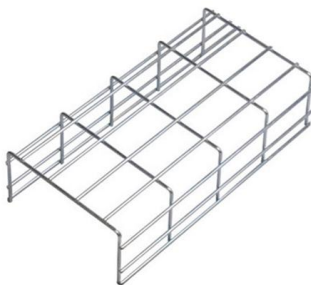
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### 25G SFP28 LWDM Transceiver Module In 5G

Currently, 25G optical transceivers are widely used in the 5G front-haul network. In order to save fiber resources, 25G WDM modules are adopted for 5G front-haul transmission. However, 25G WDM

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### 25G SFP28 LWDM Transceiver Module In 5G

25G SFP28 LWDM transceiver delivers a stable transmission and saves a lot of fiber resources in 5G front-haul transmission. A comprehensive introduction on 25G SFP28 LWDM transceiver module will

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### Cisco LWDM-SFP25G-95.56 Compatible SFP28 25G

Cisco LWDM-SFP25G-95.56 Compatible 25G LWDM SFP28 DOM Optical Transceiver Module for Data Center and Telecom (SMF, 1295.56nm, 40km, LC,

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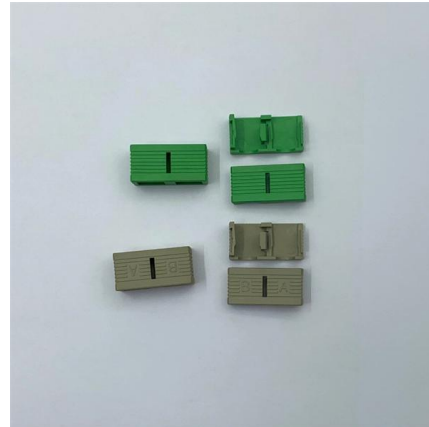




## 25G SFP28 LWDM 10km/20km/40km Optical Transceiver (Industrial)

GIGALIGHT 25G SFP28 LWDM optical transceiver modules for 5G fronthaul are compliant with 25 Ethernet transmission protocols and compatible with CPRI Option 10 and 25G eCPRI transmission

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## 25G LWDM SFP28 1295.56nm 40km DOM Optical

25G LWDM SFP28 DOM Optical Transceiver Module for Data Center and Telecom (SMF, 1295.56nm, 40km, LC, DOM) This SFP28 transceiver provides 25GBase

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## 25G SFP28 CWDM/DWDM/LWDM Overview

The evolution of 25G SFP28 CWDM, DWDM, and LWDM modules has revolutionized optical communication, offering scalable and cost-effective solutions for high-speed data transmission.

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## PHILISUN 25G LWDM SFP28 Optical Transceiver Series

PHILISUN 25G LWDM SFP28 optical transceivers are optimized for 5G midhaul and 10km data center interconnects. Utilize O-Band LWDM for low-dispersion, high-density links.

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For datasheets, pricing, or custom fiber access solutions, please visit:  
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