DWDM SFP 10G 40KM SM LC, DDM

Variants

53CH 28CH 26CH 21CH 22CH 23CH 56CH 55CH 54CH 24CH 27CH 25CH

Details

10G SFP+ DWDM 40KM Transceiver CH-XX

The **10G SFP+ DWDM 40KM Transceiver CH-xx** is a high-performance optical transceiver module designed for stable and long-distance 10G optical transmission over single-mode fiber.

Supporting **DWDM C-Band 100GHz ITU Grid**, this hot-pluggable SFP+ module delivers reliable performance for telecom, metro, enterprise, ISP, and data center optical networks.

Category	Specification
Product Type	10G SFP+ DWDM Optical Transceiver
Form Factor	SFP+ (Hot-pluggable)
Data Rate	9.95 – 11.3 Gbps
Transmission Distance	Up to 40 km
Fiber Type	Single Mode Fiber (SMF)
Wavelength	DWDM C-Band (100 GHz ITU Grid)
Connector Type	Duplex LC

Category	Specification
Optical Interface	Duplex Fiber
Transmitter Type	DWDM EML Laser
Receiver Type	PIN Photodiode
Transmit Power	-1 to +4 dBm
Receiver Sensitivity	? -16 dBm
Power Supply	+3.3 V
Power Consumption	< 1.8 W
Digital Diagnostics	DDM / DOM Supported (SFF-8472, I2C)
Compliance	SFF-8431, SFF-8432, IEEE 802.3ae
Standards	10GBASE-ER / EW
Operating Temperature	0°C to +70°C
Application	DWDM, Metro, Telecom, 10G Ethernet, SDH/SONET

Key Features

- Supports 10G high-speed optical transmission
- DWDM C-Band 100GHz ITU Grid support
- Hot-pluggable SFP+ design
- Stable 40KM long-distance transmission

- DWDM EML laser technology for reliable optical performance
- Digital Diagnostics Monitoring (DDM/DOM)
- Low power consumption design
- Suitable for telecom, ISP, metro, and enterprise networks

Applications

- 10G DWDM Optical Networks
- Metro Ethernet Networks
- ISP Backbone Infrastructure
- Data Center Interconnect
- Telecommunication Networks
- SDH / SONET Transmission Systems

Note: Ensure the correct DWDM ITU channel pairing and compatible wavelength configuration during installation for stable optical communication.