

GPON ONU SFP C+

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Variants

1.25G T1310/R1490nm 20km

Details

GPON ONU SFP Transceiver (SC/APC)

The GPON ONU SFP Transceiver is designed for high-speed fiber optic communication in GPON networks. It supports bi-directional data transmission over a single fiber, making it ideal for FTTH, ISP, and telecom deployments.

Key Features

Single fiber bi-directional communication
1244 Mbps upstream / 2488 Mbps downstream
SC/APC optical interface
1310nm DFB burst mode transmitter
1490nm APD receiver
Low EMI and strong ESD protection
Digital Diagnostic Monitoring (DDM) supported
Wide operating temperature: -10°C to +85°C
Single 3.3V power supply

Applications

GPON ONU for FTTH, ISP, and point-to-multipoint (P2MP) fiber networks

Technical Specifications

Parameter	Specification
Product Type	GPON ONU SFP Transceiver
Data Rate	Upstream 1.244 Gbps / Downstream 2.488 Gbps
Wavelength	Tx 1310nm / Rx 1490nm
Connector	SC/APC
Transmission Distance	Up to 20 km
Power Supply	3.3V
Form Factor	SFP
Operating Temperature	-10°C to +85°C

Standards & Compliance

SFP MSA
SFF-8472 (DDM)
ITU-T G.984.5 (Class B+ / C+)
IEC 60825 Class 1 Laser Safety
RoHS Compliant

Product Description

This GPON ONU SFP transceiver provides high-speed bi-directional optical communication over a single fiber. It is designed for GPON applications with asymmetric data rates of 1.244Gbps upstream and 2.488Gbps downstream. With SC/APC interface and SFP form factor, it ensures easy deployment, high reliability, and excellent performance in FTTH and ISP networks.

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