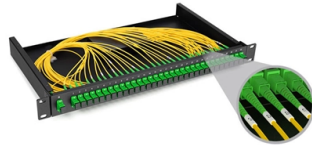


PR30 optical module



AI Overview

PR30 is a high-power budget standard for 10G EPON optical modules, supporting symmetric 10Gbps transmission over distances up to 20 km with robust network performance. Overview of PR30 Standard The PR30 standard applies to 10G EPON (Ethernet Passive Optical Network) modules and defines a high optical power budget suitable for long-distance and high-split-ratio deployments. PR30 modules are designed to support symmetric 10 Gbps upstream and downstream speeds, making them ideal for enterprise networks, mobile backhaul, and high-end residential services requiring substantial upload bandwidth ().

Key Specifications

- Data Rate:** Symmetric 10.3125 Gbps, compliant with IEEE 802.3av 10GBASE-PR30 ().
- Wavelengths:** Typically operates at 1270 nm for upstream and 1577 nm for downstream, enabling full-duplex communication over a single fiber strand ().
- Power Budget:** PR30 provides a high link budget, allowing deployment over distances up to 20 km and supporting split ratios up to 1:64 ().
- Form Factor:** SFP+ modules compatible with 10G-capable ONUs, home gateways, and enterprise switches ().
- Connector Type:** SC-UPC for single-mode fiber applications ().
- Temperature Range:** Industrial temperature (I-temp) variants are available for harsh environments ().
- Hot-Swappable:** Modules can be installed or replaced without network downtime ().

Applications PR30 optical modules are widely used in fiber-to-the-home (FTTH), fiber-to-the-premises (FTTP), and high-performance FTTx networks. Their symmetric bandwidth is particularly beneficial for cloud services, video conferencing, server hosting, and enterprise connectivity where both upload and download speeds are critical ().

Compatibility and Standards Fully compliant with IEEE 802.3av 10GBASE-PR30. Compatible with existing EPON networks, allowing smooth upgrades from 1G EPON to 10G EPON without replacing the optical distribution network (). Supports both OLT (Optical Line Terminal) and ONU (Optical Network Unit) devices, ensuring...

Article Content

10G EPON OLT SFP+ PR30 20KM DOM SC SMF Optical Transceiver Module ...

It integrates bidirectional data transmission over one single-mode optical fiber. The 10G EPON OLT Small Form-factor Pluggable Plus (SFP+) transceiver provides a symmetric 10.3125Gbps &

Industrial 10G EPON Symmetrical OLT SFP+ | PR30 Class | -40°C to

This module features a PR30 optical power budget, compliant with IEEE 802.3av 10GBASE-PR-D30 standards. It offers versatile dual-rate support, handling both symmetric 10G (10.3125Gbps) and

High Quality 10G EPON OLT PR30 Module | Long-Range PX30 Optical ...

The High Performance 10G EPON OLT PR30 Module is designed for fast, stable, and long-distance fiber access networks. Engineered with PX30 optical power levels, it supports high-speed upstream

Xfp-epon-olt-pr30-i-c Datasheet

This MSA compliant XFP transceiver provides 10GBase-OLT throughput up to 20km over single-mode fiber (SMF) using a wavelength of 1577nmTx/1270nmRx via a SC connector. It can operate at

10GEPON OLT SFP+ Optical Transceiver Module

Superxon 10G EPON OLT transceivers, compliant with SFP+/XFP MSA, support single-fiber bi-directional data links with TX/RX rates of 10.3Gbps and 1.25Gbps.

10G EPON ONU SFP+ | Broadex Technologies

10G EPON ONU SFP+ Product Features Supports IEEE802.3av & IEEE802.3bk PR30 and PR40 application Single fiber bi-directional data links with symmetric

Space Grade Photoreceiver Module, 30 Gb/s

Space Grade Photoreceiver Module, 30 Gb/s FUNCTIONALDIAGRAM OCT Modules Optimized Operating Wavelength 1250 nm to 1650 nm Optical Input Level +7 dBm max. S21 3 dB Bandwidth 30

ZTE-kompatibles 10G EPON OLT SFP+ 1577nm-TX/1270nm-RX und

The ZTE Compatible 10.3125G-TX/10.3125G-RX and 1.25G-TX/1.25G-RX transceiver module is specifically designed for 10Gigabit Ethernet Passive Optical Network (10G EPON &

SFP-ZTE SFP 10G EPON-OLT-PR30 LTH5302

ZTE's 10GEPON-OLT-PR30 SFP module is designed for next generation Passive Optical Network (PON) application, 10.3125Gbps downstream and 10.3125Gbps

10G EPON OLT SFP+ | Broadex Technologies

Support IEEE802.3av & IEEE802.3bk PR30 and PR40 application 10G EPON 1577nm 10.3G continuous-mode transmitter with EML laser, 1270nm 10.3G burst

10G EPON ONU SFP+ Transceiver | Asymmetric 10G/1G | PR30

Upgrade your FTTx subscriber equipment with the Asymmetric 10G EPON ONU SFP+ Transceiver. Compliant with IEEE 802.3av, this module delivers 10Gbps downstream and 1Gbps upstream

Genuine Hisense LTF7219-BH+

It is housed in a rugged die cast SFP+ package with the SC optical receptacle and is designed to operate over the commercial and industrial temperature ranges. The

Huawei 10G EPON OLT PR30 HSC Module and Test

Buy Huawei 10G EPON OLT PR30 HSC Module with Compatible Test Report Assured, 3-Level Quality Control, at 8-Year Gold Supplier Thunder-link

10G EPON OLT/ONU Optical Transceiver Modules | AscentOptics

AscentOptics can provide 10G EPON OLT SFP+ transceivers for 10G EPON OLT, which include different type, like PR30, PRX30 and PR40 according to different optical power. we can also provide

10G EPON OLT SFP+ Transceiver | Symmetric 10G & Asymmetric | PR30

This module is highly versatile, supporting Dual-Rate Upstream reception. It can simultaneously handle Symmetric 10Gbps upstream traffic from high-end users and Asymmetric 1.25Gbps upstream traffic

PON Optical Transceiver Modules | Broadex Technologies

Broadex Technologies' class leading high performance and cost effective PON Optical Transceiver Modules are built utilizing our innovative COB technology.

Symmetric 10GEPON OLT SFP+ PR30 Module

Symmetric 10GEPON OLT SFP+ PR30 module is designed for high-speed data transfer over optical fiber networks specifically in Symmetric 10GEPON OLT

Symmetric 10GEPON SFP+ OLT PR30 Transceiver

Symmetric 10GEPON SFP+ OLT PR30 module features single fiber bi-directional data links TX 10.3125Gbps, Burst Mode RX 10.3125G/1.25Gbps application -

10GEPON-OLT-PR30 Optical Module | Alibaba

Key attributes Model Number 10GEPON-OLT-PR30 Optical Module Type Enterprise Router Brand Name Hua wei Place of Origin Guangdong, China Use Enterprise Router Network Wireless Lan, Ip,

10G EPON OLT SFP+ PR30 20KM DOM SC SMF Optical

The 10.3125G-TX/10.3125G-RX and 1.25G-TX/1.25G-RX transceiver module is specifically designed for 10Gigabit Ethernet Passive Optical Network (10G EPON & EPON) system. It integrates bidirectional

10G EPON ONU SFP+ | Broadex Technologies

Home > Products > Active Products > PON Optical Transceiver Modules > 10G EPON ONU SFP+

ZTE OLT 10GEPON PR30 Module Best Price

HuaTelecom provides brand new original sealed ZTE OLT 10GEPON PR30 Module, with a maximum warranty of 60 months, 3-5 days global delivery, 24-hour technical support

Asymmetric 10G EPON ONU SFP+ TX-1310nm PR30

FiberMall 10GEPON-ONU-ASI Compatible 10G EPON Symmetrical PR30 ONU SFP+ Transceiver is designed for 10G EPON links on single-mode fiber up to 20km.

SFP EPON OLT PR30 PR30 price and specs epfd

SFP EPON OLT PR30 is 10G EPON OLT XFP optical transceiver on 10G EPON board. SFP EPON OLT PR30 is a 10Gb/s EPON ONU duplex optical transceiver

10G EPON Optical Transceivers | OLT & ONU | SFP+ & XFP

Complete range of 10G EPON Optical Modules (IEEE 802.3av). Shop Symmetric (10G/10G) and Asymmetric (10G/1G) OLTs and ONUs. Available in SFP+ and XFP form factors, covering PR30,

OLT PR30 Optical Module| Alibaba

Model Number OLT PR30 Optical Module Brand Name Hua wei Place of Origin Guangdong, China Interface 5 Dimensions (H x W x D) (21 U) 930 mm x 442 mm x 750 mm (36.61 in. x 17.40 in. x 29.53

Contact Us

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