

Cambodia ONU Optical Network Unit SFP



Article Overview

ONU SFP modules in Cambodia provide compact, plug-and-play GPON/EPON connectivity, supporting up to 2.5 Gbps downstream and 1.25 Gbps upstream over distances up to 20 km.

Key Features of ONU SFP Modules

GPON/EPON Compatibility: Modern ONU SFP modules, such as PLANET GPN-SFP and Baudcom BD-1234-SPM, integrate the full ONU functionality into a small SFP form factor, allowing direct insertion into switches, routers, or industrial devices to provide Passive Optical Network (PON) access. They support both GPON and EPON systems, automatically establishing links with the corresponding OLT.

Data Rates and Distance: These modules typically offer 2.488 Gbps downstream and 1.244 Gbps upstream for GPON, with a maximum link distance of 20 km over single-mode fiber (SMF). This makes them suitable for FTTx deployments, including FTTH and FTTB.

Standards Compliance: ONU SFPs comply with international standards such as ITU-T G.984.x (GPON), ITU-T G.988 (OMCI), IEEE 802.3ah, and SFP MSA. They also meet safety and regulatory standards like IEC-60825, FCC Class B, and FDA 21 CFR. This ensures interoperability with OLTs from major manufacturers.

Advanced Features: Many modules include Dynamic Bandwidth Allocation (DBA), VLAN, QoS, ACL, port isolation, and security filtering, enabling efficient bandwidth sharing and reliable service quality. They also support OMCI and OAM management, allowing configuration, performance monitoring, fault isolation, and security management.

Plug-and-Play Convenience: The SFP form factor allows ONU functionality to be added to existing Ethernet devices without additional ONT hardware. This "PON on a Stick" design simplifies network deployment and reduces costs.

Availability in Cambodia

Article Content

ONU (Optical network units) | G-PON (Gigabit passive optical network ...

A gigabit passive optical network (G-PON) comprises optical line terminals (OLTs) and optical network units (ONUs), and Murata's

ONU vs. ONT vs. SFU vs. HGU: What is the Difference?

An Optical Network Unit (ONU) is a device used to terminate an optical fiber link at the user premises, typically in a

GPON ONU SFP Class C+ 20km DDM SC SMF Optical Transceiver

The GPON ONU SFP transceiver provides an asymmetric 1.244Gbps upstream and 2.488Gbps downstream, reaching a link up to

Optical Network Unit ONU-Complete Guide

An ONU (Optical Network Unit) is a device located at the end-user's premises in a passive optical network (PON). Its primary

What is ONU and Why Does It Matter for Your Internet Connection

What is Optical Network Unit (ONU)? An ONU converts fiber optic signals for your devices, ensuring fast, stable

Huawei SFP-GPON-ONU 1244M/2488M 20km SC/UPC Transceiver

With 1244Mbps upstream and 2488Mbps downstream data rates over single-mode fiber, it delivers stable GPON connectivity up to

MikroTik · GPON ONU module

The ONU is in a standardized MSA SFP form-factor and is designed to simply plug into a standard SFP

Defining ONU: Optical Network Unit

Optical Network Unit (ONU) explained: Understanding these key elements of fiber networks, their structure, and the mechanics of

Understanding GPON OLT / ONU / ONT SFP Module – Fiber Optic Blog

On top of that, GPON SFP transceiver is an essential part of GPON system which is necessary both for optical

GPON SFP Modules Explained: Types, Applications, and Benefits

The SFP ONU module is designed for user-side ONU (Optical Network Unit), providing connectivity to end-user

Huawei OptiXstar S800E

Huawei OptiXstar S800E is a miniature Optical Network Unit (ONU) that can be inserted into the Small

GPON ONU Stick SFP with MAC

GPON ONU Stick SFP with MAC: This stick-shaped SFP module is designed for GPON optical network units (ONUs) and includes a

10G SFP+ Factories & Pricelist serving the Cambodia Market

Kocent Optec Limited understands the local market dynamics. We provide carrier-grade optical transceivers that ensure low latency

GPON ONT (Optical Network Terminal)

An Optical Network Terminal (ONT), sometimes referred to as an Optical Network Unit (ONU), is a device that is placed at the

Network Module

Computer modules Electronic modules Module components Hardware modules
Module accessories

Optical Terminal

Huawei OptiXstar S600E is a miniature GPON SFP ONU device that can be inserted into the SFP port of a camera or AP device to

SXS00-0A00 Cambium Networks | Cambium Pluggable ONU (Optical Network

The Cambium Fiber XGS-PON Pluggable ONU (Optical Network Unit) extends the fiber network into hard-to-reach places or last

GPON ONT ONU SFP Class B+ Transceiver

Optcore's OSP2G-GNU is a high performance and cost-effective SFP GPON ONT (also called GPON

Basics of GPON SFP Transceivers

GPON is short for Gigabit Passive Optical Network. It is one of the major technologies employed in optical fiber

GPON ONU SFP | Broadex Technologies

GPON ONU SFP Product Features Supports ITU-T 984.2,ITU-T 984.5 GPON Networks applications

What is ONU (Optical Network Unit)?

Discover what an ONU is, its features, benefits, and types. Learn how it enhances fiber-optic networks and how to

GPON ONU/ONT Configuration Guide 2026 | Setup & Provisioning

A complete step-by-step GPON ONU/ONT configuration guide for 2026. Learn how to set up, provision, and

Huawei OptiXstar S600E | GPON SFP ONU

Huawei OptiXstar S600E is a miniature GPON SFP ONU device that can be inserted into the SFP port of a camera or AP device to

GPON ONU SFP Transceiver

The GPN-SFP is a device that integrates the functions of a traditional Optical Network Terminal (ONT) or Optical Network Unit (ONU)

Cisco GPON SFP Data Sheet

Cisco Services help you protect your network investment, optimize network operations, and prepare your network for new

Contact Us

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