XGSPON ONU-HSGQ

XGSPON ONU-HSGQ

Variants

XGSPON -T131U

Details

The **HSGQ-T131U XGS-PON ONU** is a high-performance intelligent Optical Network Unit (ONU) designed for next-generation **FTTH (Fiber to the Home)**, enterprise broadband, ISP, and telecom applications. It features **1 × XGS-PON optical port, 1 × 10 Gigabit Ethernet port, 3 × Gigabit Ethernet ports, 1 × POTS voice port, and 1 × USB interface**, delivering ultra-fast symmetric **10Gbps** broadband connectivity.

Built according to **ITU-T G.9807** and **G.988** standards, the HSGQ-T131U supports OMCI, TR069 remote management, Dynamic Bandwidth Allocation (DBA), VLAN, QoS, IPv4/IPv6, IPTV, and cloud management. It is fully compatible with major XGS-PON OLT platforms, making deployment simple and reliable for telecom operators and ISPs.

Technology

XGS-PON

Maximum Speed

10Gbps

LAN Ports

1×10GE + 3×GE

Transmission Distance

20 km

Key Features

? 1 × XGS-PON Optical Port (SC/APC or SC/UPC)

? Symmetrical 10Gbps Upstream & Downstream

? 1 × 10GE RJ45 + 3 × Gigabit Ethernet Ports

? 1 × POTS Voice Port (RJ11)

? 1 × USB Interface

? Supports OMCI & TR069 Remote Management

? Supports VLAN, QoS, IPTV & DBA

? Supports IPv4 / IPv6 Dual Stack

? Compatible with Major XGS-PON OLT Platforms

? Cloud Management & Remote Firmware Upgrade

Technical Specifications

Category	Specification
Product Model	HSGQ-T131U
Product Type	XGS-PON Optical Network Unit (ONU)
PON Interface	1 × XGS-PON (SC/APC or SC/UPC)
User Interface	1 × 10GE RJ45, 3 × GE RJ45, 1 × POTS, 1 × USB
Transmission Distance	Up to 20 km
Downstream Speed	9.953 Gbps
Upstream Speed	9.953 Gbps
TX Optical Power	+5.5 to +7.5 dBm
Receiver Sensitivity	-29 dBm
Ethernet Speed	1 × 10GE + 3 × 1GE
POTS Interface	RJ11 (Up to 1 km)
Power Supply	DC 12V / 1A
Power Consumption	12W
Dimensions	160 × 110 × 30 mm

Category	Specification
Operating Temperature	0°C to +50°C
Humidity	5%–85% RH

Supported Features

ITU-T G.9807 & G.988 Compliant

OMCI Remote Management

TR069 Auto Configuration

Dynamic Bandwidth Allocation (DBA)

VLAN Configuration

QoS Traffic Management

ACL Packet Filtering

Multicast Support

Port Isolation

PPPoE, DHCP Server & NAT

IPv4 / IPv6 Dual Stack

Cloud Management

Applications

FTTH Broadband Access

XGS-PON ISP Networks

Enterprise Fiber Connectivity

10G Office Networking

VoIP Telephone Services

IPTV Services

Telecom Infrastructure

High-Speed Fiber Internet Deployment

Ordering Information

Product Model	Description
HSGQ-T131U	1 × 10GE RJ45, 3 × GE RJ45, 1 × POTS, 1 × USB XGS-PON ONU

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