

HSGQ-XGSPON ONU

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Variants

T131U

Details

HSGQ-T131U XPON ONU (XGSPON)

HSGQ-T131U is an intelligent routing passive optical network terminal designed for FTTH solutions. It provides 1 × XGSPON port, 1 × 10GE LAN port, 3 × GE LAN ports, 1 × POTS port, and 1 × USB port. It supports up to 10Gbps downstream and upstream speeds, ensuring high-performance broadband access.

The device is compatible with global mainstream OLT brands and supports plug-and-play, OMCI, and TR069 remote management features.

Technical Parameters

User Interface	
Ports	1×10GE RJ45, 3×GE RJ45, 1×POTS, 1×USB
PON	
Port	XGSPON (SC/UPC or SC/APC)
Distance	Up to 20 km
Speed	Up: 9.953Gbps / Down: 9.953Gbps
TX Power	5.5 ~ 7.5 dBm

RX Sensitivity	-29 dBm
Ethernet	
Speed	1×10GE + 3×1GE
Connector	RJ45
Distance	30–100 m
POTS	
Connector	RJ11
Distance	Up to 1 km
Physical	
Size	160 × 110 × 30 mm
Environment	
Temperature	0°C to +50°C
Humidity	5%–85%
Power	
Input	12V / 1A DC
Consumption	< 12W

Key Features

1577nm downstream wavelength and 1270nm upstream wavelength

XGSPON 10Gbps symmetric transmission

Complies with ITU-T G.9807 and G.988 standards

Supports OMCI remote management

Up to 20 km transmission distance

Supports data encryption, multicast, port isolation

Dynamic Bandwidth Allocation (DBA)

Auto-discovery and remote upgrade support

VLAN configuration support

QoS configuration support

ACL packet filtering support

TR069 remote management

Supports PPPoE, DHCP Server, IPTV, NAT

Supports IPv4 / IPv6

Cloud management supported

Ordering Information

Product Model	Description
HSGQ-T131U	1x10GE RJ45, 3xGE RJ45, 1xPOTS, 1xUSB