

EDGE INTERCEPT



INTXG-2002V **XGSPON ONT**



Features and Benefits

- **Integrated on-board SFF XGS Uplink**
- **4x 10/100/1000BASE-T Ethernet RJ45 Ports**
- **1x 100/1000/2.5G/5G/10GBASE-T Ethernet RJ45 Port**
- **2x VoIP RJ11 Ports**
- **Wall Adaptor**
- **0 to 40 °C Operating Temperature**



Specifications

INTXG-2002V XGSPON ONT



GENERAL	
Model	INTXG-2002V
ONT Type	XGSGPON ONT
Main SoC	EN7580
Uplink	XGSPON
Downlinks	4x GE, 1x10 GE, 2xPOTS
Operating Temperature	0 to 40 °C
Storage Temperature	-40 to 85 °C
Operating Humidity	10 % to 95 %, Non-condensing
Installation	Desktop, Wall Mount
Dimensions	220*160*40 mm
Net Weight	390 g
XGS PON	
PON Interface	Integrated on Board SFF Optics
Connector	SC/APC
Standard Compliance	ITU G.9807.x Laser Safety Standard IEC-60825 Class I
Transmitter	9.95328 Gbps Upstream DFB Transmitter in 1270 nm, with ≥ 6 dB Extinction Ratio Mean Launch Power in 4 to 9 dBm Range Turn on/off time at Burst Mode < 25.7 ns
Receiver	9.95328 Gbps Downstream APD Receiver in 1577 nm, with -8 to -28 dBm Working Range Isolation ≥ 30 dB
TC Layer	Types 1 to 5 TCONT 32 TCONT, 256 GEM Ports Flexible Mapping Between TCONT and GEM Ports
XGSPON Features	Dying Gasp, Forward Error Correction (FEC), Configurable AES Decryption in both Directions
GE LAN	
Ethernet Interface	4x RJ45 Connectors (yellow)
Standard Compliance	IEEE 802.3, 802.3u, 802.3ab
Link	Half-duplex and Full-duplex Operations; 10/100/1000BaseT Auto-negotiation and Manual Configuration; MDI/MDIX Auto Detection
10G LAN	
Ethernet Interface	RJ45 Connector (blue)
Standard Compliance	XIEEE 802.3u, 802.3ab, 802.3bz, 802.3an
Link	100M/1000M/2.5G/5G/10GBaseT Auto-negotiation and Manual Configuration; Half-duplex and Full-duplex Operations for 100/1000BaseT; MDI/MDIX Auto Detection for 100/1000BaseT

Specifications

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POTS	
POTS Interface	2x RJ11 Connector
Ringing	4 REN
VoIP Support	SIP
Gateway Functions	
WAN	Multiple WAN Support – Internet, TR-69, VoIP Routed and Bridging Interface Support DHCP and PPPoE Untagged and Tagged WAN
Routing	DHCP Server with Configurable DHCP IP Pool Dynamic and Static Routes
Security	URL Filter, Firewall, MAC Filter, Port Filter
Advanced NAT	ALG, DMZ, Virtual Server
TR-69	ACS Support
VoIP	Primary and Backup SIP Server Support Session Boarder Controller Support Configurable Digitmap and Codec
Diagnosis	PING Test, TRACERT Test, TR-69 Inform Test
Other Applications	UPnP
OAM	
LEDs	Power, XGS-PON, LOS, Internet, MG5, GE1-4, Phone1-2
Buttons	Reset
Management	OMCI, CLI, Telnet, HTTP, TR-69
Firmware Upgrade	Firmware Upgrade, Active and Alternative Firmware Images
Diagnostics	Enhanced XGSPON Debug and Diagnostic Functions: Log Files, Memory Allocation and Crash Check
Alarm	Alarm Report and Suppression (ARC)
PM	All Standard PM Counters
Power	
Max Power Consumption	11 watts
Power Options	Wall Adapter or UPS via 2x4 Molex Connector
Wall Adapter	Standard Barrel Connector, 100-240 VAC in, 50/60 Hz, 12 VDC out, 1.5 A max

