

# EDGE INTERCEPT



## **INTX-2002V** **XGS-PON ONT**



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## Features and Benefits

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



# Specifications

## INTX-2002V XGS-PON ONT



GENERAL	
Model	INTX-2002V
ONT Type	XGS-PON ONT
Main SoC	EN7580
Uplink	XGS-PON
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 $\geq 6$ 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 $\geq 30$ dB
TC Layer	Types 1 to 5 TCONT 32 TCONT, 256 GEM Ports Flexible Mapping Between TCONT and GEM Ports
XGS-PON 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, 802.3 u, 802.3 ab
Link	Half-duplex and Full-duplex Operations; 10/100/1000 BaseT Auto-negotiation and Manual Configuration; MDI/MDIX Auto Detection
10 G LAN	
Ethernet Interface	RJ45 Connector (blue)
Standard Compliance	XIEEE 802.3 u, 802.3 ab, 802.3 bz, 802.3 an
Link	100M/1000M/2.5 G/5 G/10 GBaseT Auto-negotiation and Manual Configuration; Half-duplex and Full-duplex Operations for 100/1000 BaseT; MDI/MDIX Auto Detection for 100/1000 BaseT

# Specifications

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



Specifications subject to change without notice