

# EDGE INTERCEPT



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



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## Features and Benefits

- ITU-T G.9807.1 XGS-PON SFF/BoB Uplink
- 1x 100/1000/2.5 G/5 G/10 GBASE-T IEEE 802.3ab/bz/an Ethernet RJ45 Ports (Optional)
- 1x 10/100/1000/2.5 GBASE-T IEEE 802.3 ab/bz Ethernet RJ45 Ports
- Optionally Supports IEEE1588v2, Y.1731 and Sync-E
- Wall Adaptor
- 0 to 40 °C Operating Temperature



# Specifications

## INTX-2002B XGS-PON ONT



GENERAL	
Model	INTX-2002B
ONT Type	XGS-PON ONT
Main SoC	Intel PRX321/PRX120
Uplink	XGS-PON (Alternatively 10 GEPON and XGPON1)
Downlinks	1x 10 GE, 1x 2.5 GE (or 1x GE)
Operating Temperature	0 to 40 °C
Storage Temperature	40 to 85°C
Operating Humidity	10 % to 95 %, Non-condensing
Installation	Desktop
Dimensions	145x110x30 mm
Net Weight	220 g
XGS-PON	
PON Interface	ITU-T G.9807.1 SFF or BoB
Connector	SC/APC
Data Rate	Symmetrical Tx: 9.95328 Gbps; Rx: 9.95328 Gbps
Standard Compliance	ITU-T G.9807.1
GE LAN	
Ethernet Interface	RJ45 Connectors
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
2.5 GE LAN	
Ethernet Interface	RJ45 Connectors
Standard Compliance	IEEE 802.3, 802.3 u, 802.3ab
Link	Half-duplex and Full-duplex Operations; 10/100/1000/2.5 G BaseT Auto-negotiation and Manual Configuration; MDI/MDIX Auto Detection
10 G LAN	
Ethernet Interface	RJ45 connector
Standard Compliance	IEEE 802.3 u, 802.3 ab, 802.3 bz, 802.3 an
Link	100 M/1000 M/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

## INTX-2002B XGS-PON ONT



Layer-2 Bridging	
MAC	Ethernet Frame Filtering Based on Port, SA/DA IEEE 802.3 as, Max MTU Size 2000 bytes MAC Address Limiting
VLAN	OIEEE 802.1 d Bridging Ingress/egress IEEE 802.1 p Tagging, Replacement and Striping IEEE 802.1 ad Double Tagging Traffic Class Forwarding to GEMPort and TCONT
QoS	QoS Based on 802.1 p and 802.1 q 802.1 p Marking Based on DSCP
Multicast	IGMP v2, v3, IGMP Snooping
OAM	
LED	Power, PON, LOS, 10GE, 2.5GE
Management	OMCI, CLI, Telnet
Firmware Upgrade	Firmware Upgrade, Active and Alternative Firmware Images
Diagnostics	Enhanced GPON Debug and Diagnostic Functions Remote Debug via Telnet from OLT Log Files, Memory Allocation and Crash Check
Alarm	Alarm Report and Suppression (ARC)
PM	All Standard PM Counters
Power	
Max Power Consumption	10 watts
Power Options	Wall Adapter
Wall Adapter/BBU	100-240 VAC in, 50/60 Hz 12 VDC out, 1 max

### Shipping

Shipping Size	260*160*80 mm
Shipping Weight	490 g
Shipping Carton Size	340*420*290 mm (10 Products per Carton)
Shipping Carton Weight	5.4 kg

### Order Information

Model	Description
INTX-2002B	XGS Uplink, 10 GE and 2.5 GE LAN Ports (PRX321)
INTX-2002V	XGS Uplink, 10 GE and 4 XGE, 2 POTS Port (PRX321)
INTX-2002I	XGS Uplink, 10 GE, 802.3 af PD, Sync-E (PRX321)