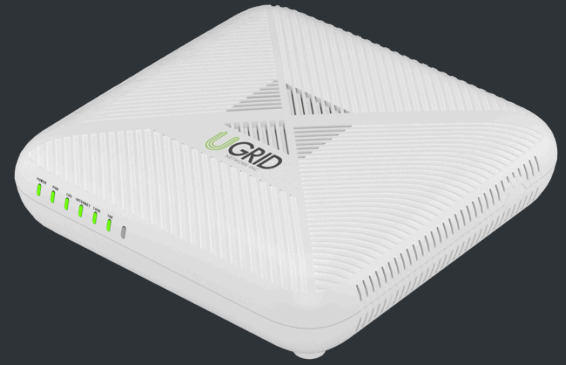


XGS-PON 10GE ONU

UNTXL000

1× XGS-PON · 1× 10GE + 1× GE · Routing / bridging · OMCI / TR-069

XGS-PON ONU delivering symmetrical 10G fiber access to home and SOHO users.



10G

XGS-PON SYMMETRIC

10GE + GE

RJ45 LAN

N1

OPTICS CLASS, 20 KM

FEC

UPSTREAM & DOWNSTREAM

OMCI

TR-069 · TR-098

01 OVERVIEW

The UGRID UNTXL000 is an XGS-PON ONU for home and SOHO (small office and home office) users. Deployed in the typical FTTH networking mode, it delivers symmetrical 10 Gbps over an ITU-T G.9807.1 XGS-PON port with N1 optics and connects the home network through one 10GE and one GE RJ45 port, supporting high-speed Internet access, video on demand, video conferencing and large file transfer. Remote service distribution, fault diagnosis and performance statistics over OMCI effectively reduce operation and maintenance costs.

Home broadband

Symmetrical 10G for high-speed Internet, video on demand and large file transfer.

SOHO

Video conferencing and large file transfer over a 10GE wired port.

Government & enterprise

Integrated broadband, data and video access.

DEPLOYMENT SCENARIOS

FTTH

Home broadband

SOHO

Government & enterprise

Video on demand

Video conferencing

02 KEY FEATURES

- ✓ 10G fiber to the home**
Symmetrical 10 Gbps for Internet, video on demand and large file transfer.
- ✓ Plug-and-play setup**
Web GUI provisioning instead of field configuration.
- ✓ Multi-service gateway**
Internet, IPTV and TR-069 services in routing or bridging mode.
- ✓ Works with existing gear**
Interoperates with a wide range of routers, APs and switches.
- ✓ Lower O&M cost**
Remote service distribution, fault diagnosis and statistics over OMCI.
- ✓ Flexible installation**
Desktop, wall mount or inside an information box.

03 TYPICAL APPLICATION

The UNTXL000 terminates the XGS-PON network at the subscriber premises, connected through an optical splitter to a UGRID U10 OLT, and delivers symmetrical 10G service to the home or small office over its 10GE and GE ports.

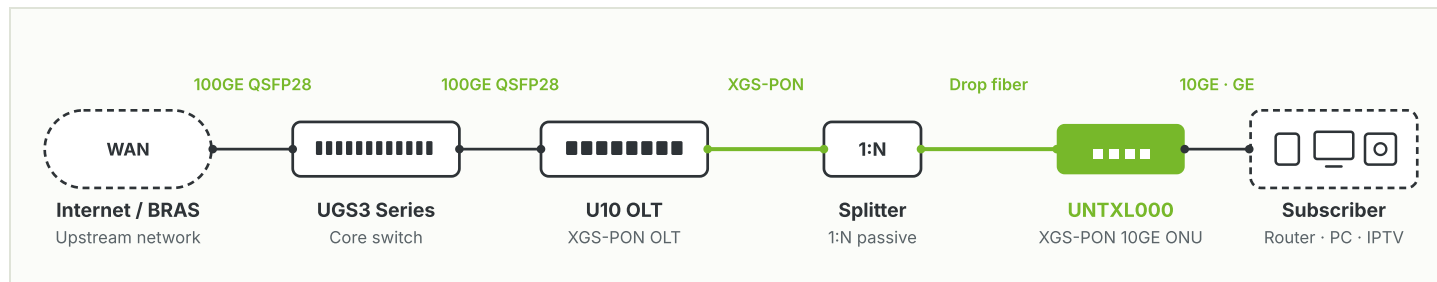


Figure 1 — UGRID end-to-end XGS-PON FTTx architecture (UNTXL000 highlighted).

04 HARDWARE SPECIFICATIONS

PON INTERFACE

Port	1× XGS-PON — Class N1
Standard	ITU-T G.9807.1
Connector	SC/APC or SC/UPC
Wavelength	TX 1270 nm, RX 1577 nm
Line rate	10 Gbps upstream, 10 Gbps downstream
TX optical power	+4 to +9 dBm
RX power	−25 ± 2 dBm
Transmission distance	Up to 20 km

USER INTERFACES

Ethernet	1× 10GE + 1× GE RJ45; auto-negotiation, MDI/MDIX auto detection
Indicators	Power, PON, LOS, Internet, 10GE, GE
Buttons	1× Reset

POWER

Power adapter	12 V DC, 1 A
Power consumption	≤ 12 W

PHYSICAL & ENVIRONMENTAL

Dimensions	156 × 156 × 38 mm
Installation	Desktop, wall mount or inside an information box
Operating environment	0 °C to +40 °C; 10%–90% RH
Storage environment	−40 °C to +70 °C; 5%–90% RH

05 SOFTWARE FEATURES

PON - Upstream and downstream FEC (Forward Error Correction) - Priority queuing based on GEM port and T-CONT - Downstream multicast	Layer 2 - Ethernet auto-negotiation and MDI/MDIX auto detection - Built-in Layer 2 switch - VLAN tagging, flow classification and packet filtering	Gateway - Routing and bridging modes - Routing mode: PPPoE, DHCP and static IP - Internet, IPTV and TR-069 services - LAN port DHCP and static IP modes - NAT and NAPT
Management - OMCI, TR-069 and TR-098 - Alarms and performance monitoring		

06 ORDERING INFORMATION

SELECTED CONFIGURATION · MODEL NUMBER KEY						
UNT	X	L	0	0	0	
UNT series	XGS-PON	1× 10GE + 1× GE	No voice	No Wi-Fi	No CATV	
PART NO.	DESCRIPTION					
UNTXL000	XGS-PON ONU, 1× XGS-PON (Class N1), 1× 10GE + 1× GE RJ45					

07 REVISION HISTORY

REVISION	DATE	DESCRIPTION
R01	2026-10-26	Initial release under the UNT model numbering; replaces former model UNT-XG-1X1-0-0-0.

Specifications are subject to change without notice. Actual performance may vary with network configuration and environment. © 2026 UGRID Network Inc. All rights reserved.