SOFTEL

ONT-225GE

1*XPON+1*2.5GbE+1*GE ONT

Key Features:

XPON Dual Mode
Automatically Access to
EPON/GPON

**Detecting
Rogue ONU**
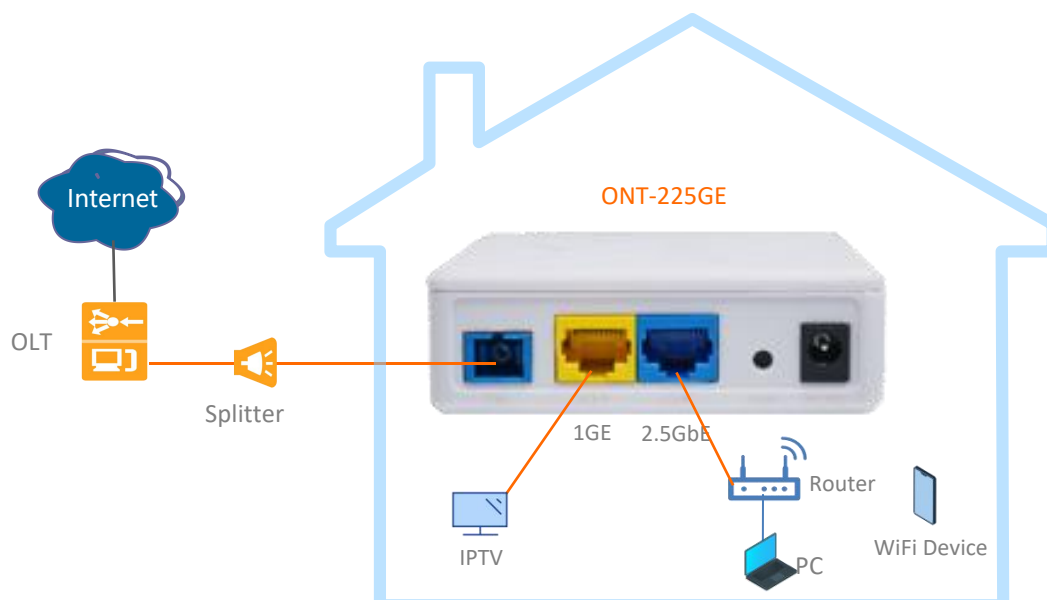
**2.5GbE
LAN Port**

**Wide Working Temp
-20℃～+60℃**

Introduction:

ONT-225GE(1*2.5GE+1GE XPON ONT) is specially designed to meet the needs of telecom operators for FTTO (office), FTTD (desktop), FTTH (home), SOHO broadband access, video surveillance, etc. It is based on mature XPON technology, high reliability, easy maintenance, and can provide QoS guarantee for different services.

The ONT's 2.5GE network port can fully meet the high access bandwidth requirements of WIFI 6 technology, AR/VR technology, 8K video and other technologies, and can bring fast Internet access experience and lower Internet latency for home users and enterprise users.

The ONT has high reliability and is easy to manage and maintain. It complies with the China Telecom CTC2.1/3.0 and international technical standards such as IEEE802.3ah and ITU-T G.984.

Application Chart:

Internet

OLT

Splitter

ONT-225GE

1GE   2.5GbE

IPTV

Router

PC

WiFi Device

Hardware Parameter

Dimension	100mm*92mm*29.5mm(L*W*H)
Net weight	0.13KG
Operating condition	• Operating temp: -20 ~ +60°C • Operating humidity: 10 ~ 90% (non-condensed)
Storing condition	• Storing temp:-30 ~ +70°C • Storing humidity: 10 ~ 90% (non-condensed)
Power adapter	DC 12V, 0.5A, external AC-DC power adaptor
Interfaces	1*2.5GbE+1*GE
Indicators	POWER, PON, LOS, WAN, LAN1, LAN2

Interface Parameter

PON interface	• 1 XPON port(EPON PX20+ & GPON Class B+) • SC single mode, SC/UPC connector • TX optical power: 0～+4dBm • RX sensitivity: -27dBm • Overload optical power: -3dBm(EPON) or -8dBm(GPON) • Transmission distance: 20KM • Wavelength: TX 1310nm, RX1490nm
LAN interface	1*2.5GbE+1*GE(Option), Auto-negotiation RJ45 connectors
Button	Reset

Function Data

XPON Mode	Dual mode,Auto-access to EPON/GPON OLT
Uplink Mode	Bridging and Routing Mode
Abnormal protection	Detecting Rogue ONU, Hardware Dying Gasp
Firewall	DDOS, Filtering Based on ACL/MAC/URL

Product Feature

Basic	• Support MPCP discover&register • Support authentication Mac/Loid/Mac+Loid • Support Triple Churning • Support DBA bandwidth • Support auto-detecting, auto-configuration, and auto firmware upgrade • Support SN/Psw/Loid/Loid+Psw authentication
Alarm	• Support Dying Gasp • Support Port Loop Detect • Support Eth Port Los
LAN	• Support Port rate limiting • Support Loop detection • Support Flow control • Support Storm control
VLAN	• Support VLAN tag mode • Support VLAN transparent mode • Support VLAN trunk mode(max 8 vlans) • Support VLAN 1:1 translation mode(≤8 vlans) • Auto VLAN detection
Multicast	• Support IGMPv1/v2/Snooping • Max Multicast vlan 8 • Max Multicast Group 64
QOS	• Support 4 queues • Support SP and WRR • Support 802.1P
L3	• Support IPv4/IPv6 • Support DHCP/PPPOE/Static IP • Support Static route • Support NAT
Management	• Support CTC OAM 2.0 and 2.1 • Support ITUT984.x OMCI • Support TR069/WEB/TELNET/CLI

Order Information

Product Name	Product Description	Accessories
ONT-225GE	1*2.5GbE+1*GE	AC-DC power adaptor: DC12V/0.5A