

SOFTTEL



PONT-D1GE

1*XPON+1GE+POE(PD) ONT



Key Features:



XPON Dual Mode
Plug&Play



Detecting
Rogue ONU



Wide Working Temp
-30°C~+60°C



POE(PD)
Power Supply

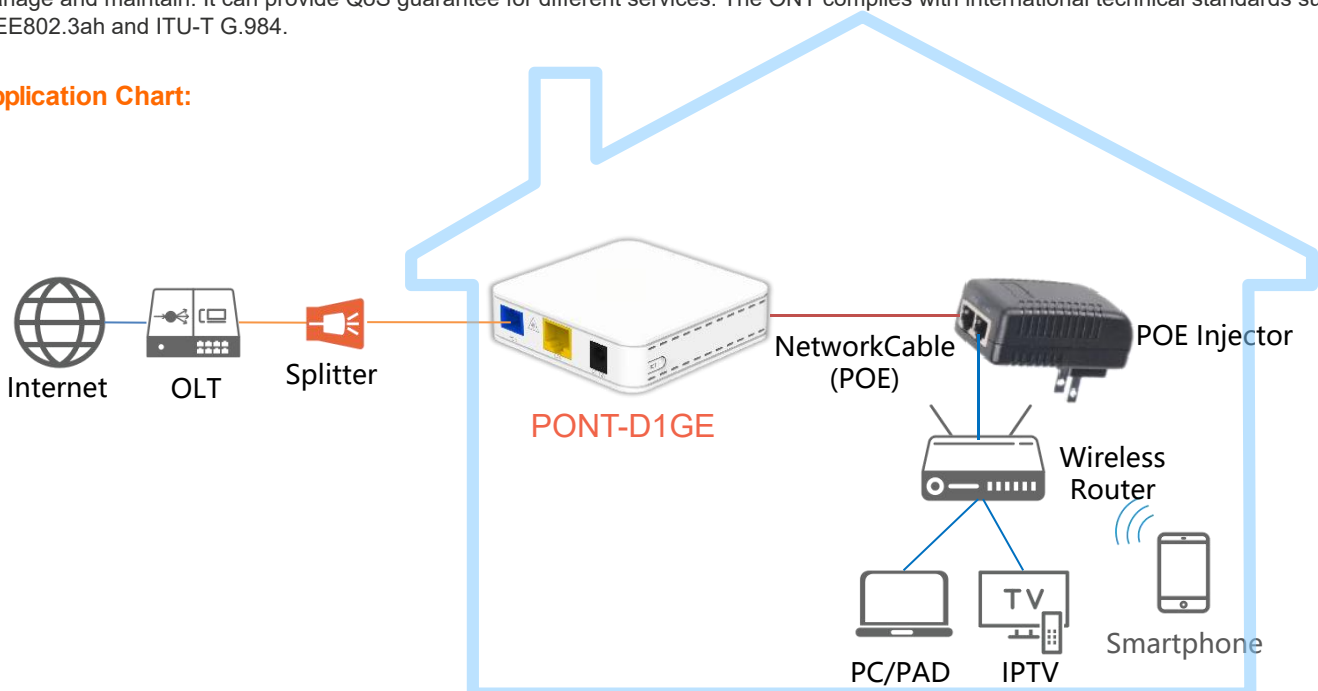
Introduction:

PONT-D1GE (XPON 1GE POE(PD) ONU) is specially designed to meet the access requirements of telecom operators such as FTTH and SOHO. The ONU is based on high-performance chip technology solutions, and supports Layer 2/Layer 3 functions, providing data services for carrier-grade FTTH applications.

PONT-D1GE supports Reverse POE function, which can be deployed in some application scenarios where it is inconvenient to obtain power. We can supply power to the PONT-D1GE through the user-end device.

The ONT has high reliability and can be applied to a wide temperature environment; and has a powerful firewall function, which is easy to manage and maintain. It can provide QoS guarantee for different services. The ONT complies with international technical standards such as IEEE802.3ah and ITU-T G.984.

Application Chart:



○ Hardware Parameter

Dimension	82mm×82mm×25mm (L×W×H)
Net weight	0.085Kg
Operating condition	<ul style="list-style-type: none"> • Operating temp: -30°C~+60°C • Operating humidity:10~90% (non-condensing)
Storing condition	<ul style="list-style-type: none"> • Storing temp: -30°C~+70°C • Storing humidity: 10 ~ 90% (non-condensing)
Power adapter	DC 12V/0.5A, external AC-DC power adaptor
POE PWR supply	POE(PD) DC +12 ~ +24V
Interfaces	1GE
Indicators	SYS, REG, LINK/CT

○ Interface Parameter

PON interface	<ul style="list-style-type: none"> • 1XPON 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	<ul style="list-style-type: none"> • 1*GE,Auto-negotiation, RJ45 connectors • POE 12V~24V DC

○ Software Key Feature

PON mode	XPON Dual mode , Can access to mainstream EPON/GPON OLTs.
Uplink Mode	Bridging mode and Routing mode.
Smart O&M	Rogue-ONU detection and Hardware Dying Gasp.
Firewall	DDOS, Filtering Based on ACL/MAC/URL.

○ Software Parameter

Basic	<ul style="list-style-type: none"> • 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 authentication SN/Psw/Loid/Loid+Psw
Alarm	<ul style="list-style-type: none"> • Support Dying Gasp • Support Port Loop Detect • Support Eth Port Los
LAN	<ul style="list-style-type: none"> • Support Port rate limiting • Support Loop detection • Support Flow control • Support Storm control
VLAN	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • Support IGMPv1/v2 • Support IGMP Snooping • Max Multicast vlan 8 • Max Multicast Group 64
QoS	<ul style="list-style-type: none"> • Support 4 queues • Support SP and WRR • Support 802.1P
L3	<ul style="list-style-type: none"> • Support IPv4 • Support DHCP/PPPOE/Static IP • Support Static route • Support NAT
O&M	<ul style="list-style-type: none"> • Support CTC OAM 2.0 and 2.1 • Support ITUT984.x OMCI • Support EMS\TR069\WEB\TELNET\CLI

Product Name	Product Description	Accessories
PONT-D1GE	1GE+Reverse POE	AC-DC power adaptor: DC12V/0.5A