ONT4842W

GPON ONT

Features
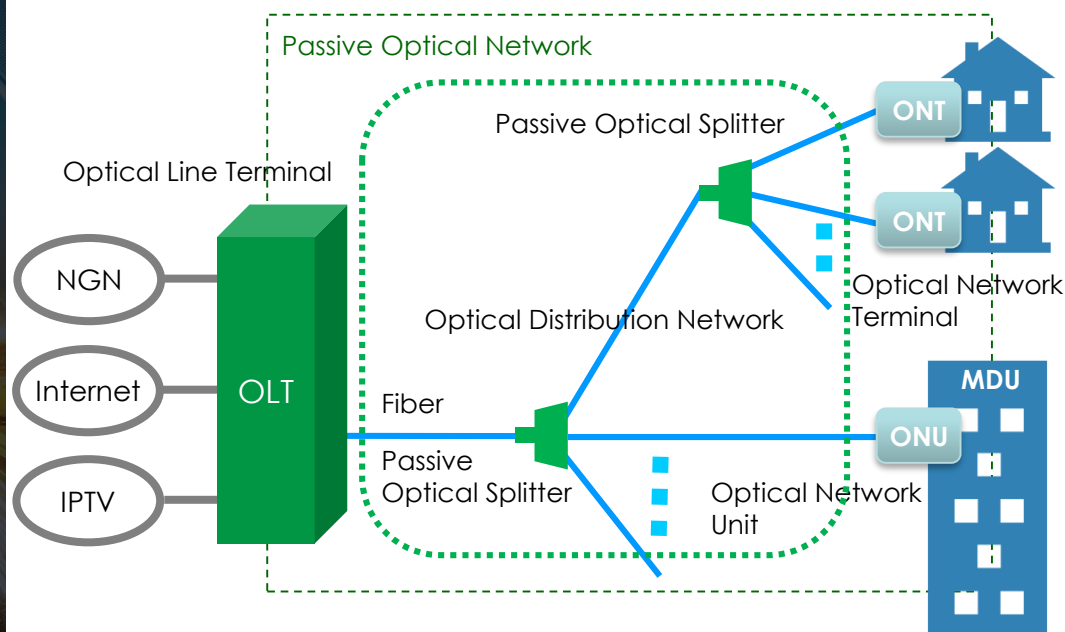
Indoor GPON ONT with integrated Wi-Fi access point

- o **ITU-T G.984 compliant indoor GPON ONT**

- o **High data rates with 2.5Gbps downstream**

- o **Triple-play services support**

- o **Integrated gateway with 4 GE ports**

- o **Integrated 802.11n Wi-Fi AP**

- o **Integrated Voice Service with 2 x PSTN interfaces**

- o **Compact design**

- o **Simple installation**

Description

Designed to deliver triple-play services to a subscriber in Fiber-to-the-Home or Fiber-to-the-Premises applications, the GPON ONT ONT4842W combines rich functionality and high performance with attractive design and reasonable price.

ONT4842W is compliant with ITU-T G.984 standard and supports 2.5G downstream and 1.25G upstream data rates over GPON interface to provide high throughput for rich multimedia content or traffic-intensive business applications.

With integrated 4-port switch, high-performance Wi-Fi access point compliant with 802.11b/g/n (2T2R), Layer 2/3 features, and high quality VoIP, the ONT4842W provides an excellent cost-effective all-in-one solution for home or small business deployments.

Multiple operation, administration and management mechanisms supported by the ONT4842W provide high operational flexibility and help service providers to simplify deployment and minimize operation efforts through efficient centralized management. The product features support of standard ONT Management Control Interface (OMCI), TR-069, CLI, Web.

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Product Details

POWER

Power consumption	<10W
Power Supply	170V to 255V AC

PHYSICAL

Weight	About 340g (without power adapter)

ENVIRONMENTAL

Ambient temperature	-5 ~ +55℃
Storage temperature	-30 ℃ to 80 ℃
Ambient humidity	10% to 90% (non-condensing)
Storage humidity	10% to 90% (non-condensing)

Technical Specifications

PON INTERFACE

Rate	Upstream：1.25Gbps Downstream：2.5Gbps
PON	GPON, SC single-mode/single-fiber
Optical Type	SC/PC,optional
Wavelength	Tx 1310nm, Rx 1490nm
Sensitivity	<-30dBm

GPON FEATURES

Support authentication SN / Loid / Loid+Password
TCONT(Max 8)
GEM(Max 32)
Support Upstream and Downstream FEC
Support AES
Support Key switching
Support DBRu

INTERFACES

PON interface	1 port, SC/PC, optional
Data interface	4 x 10/100/1000Mbps Auto adaptive Ethernet interfaces, Full/Half Duplex, RJ45 connector
Wi-Fi interface	IEEE802.11b/g/n, 300Mbps, 2T2R two external antenna
Voice interface	2 x POTS, RJ11 connector 1 x USB 2.0

MANAGEMENT

Support ITUT984.x OMCI
Support WEB，CLI /Telnet
Support TR069, Firmware Upgrade: Remote
 Supports all OS

WIRELESS

Support 802.11b/g/n
Mixed mode
Support No-auth, WEP, WPA-PSK and WPA2-PSK function with AES, TKIP encryption

VOIP

SIP protocol
Voice coding: ITU-T G.711/G.723/G.726/G.729, auto-negotiate with call agent
Echo cancellation exceeding ITU-T G.165/G.168-2002, up to 128ms tail length
Support high/low speed fax/Modem, bypass fax, and T38 fax
Support InBand / RFC2833/SIP INFO, MD5 authentication, call forward, callwaiting, hot-line call, and all kinds of value-added voice service. Multi-party conferencing
Support Line testing according to GR-909

L2 SWITCH

Full speed non-blocking switching
Support port rate limiting, port monitoring, port SLA, etc.
Support Loop detection
2K MAC address table

INTERNET CONNECTION

Support Bridge
Support Route
Support Route and Bridge mixed mode

LAN

Support Port rate limiting
Support Flow control
Support Storm control
Support Loop detection

VLAN

Support VLAN tag mode
Support VLAN transparent mode
Support VLAN trunk mode(max 16 vlans)
Support VLAN 1:1 translation mode(max 16 vlans)

MULTICAST

Support IGMPv1/v2/v3
Support IGMP Proxy and MLD Proxy
Support IGMP Snooping and MLD Snooping
Max Multicast vlan 8
Max Multicast Group 255

QOS

Support SP and WRR
Support 802.1P
Support DSCP
Classification: D-MAC/S-MAC/D-IP/S-IP/L4-S-Port/L4-D-Port/Vlan/Cos/Ether Type/DSCP

L3

Support IPv4, IPv6 and IPv4/IPv6 dual stack
Support WAN DHCP / PPPOE / Static IP
Support Static Route ,NAT , DHCP Server , DMZ Virtual Server, FTP/TFTP

SECURITY

Support Firewall, Mac filter, ACL, URL filter, User configurable password with special character

ALARM

Support Dying Gasp

BUTTONS

1 x Power Button
1 x Reset Button
1 x WPS Button
1 x WiFi On/Off Button