

GPON / FTTH OPTICAL NETWORK TERMINAL

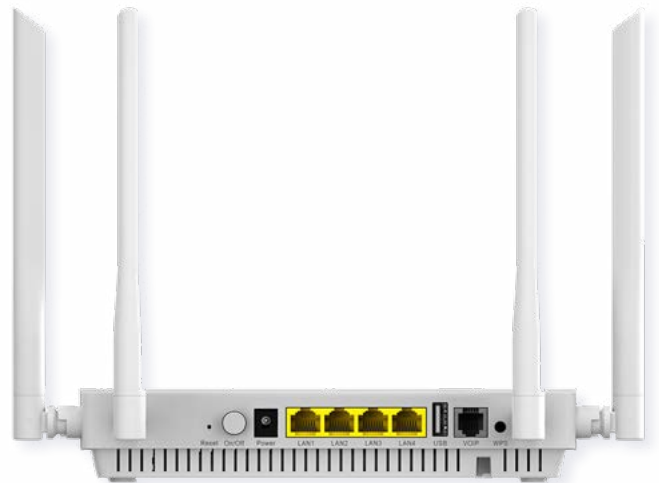
ONT 4 W6



- √ GPON Optical network terminal and gateway optimized for FTTR and POL networks
- √ 4 Autoadaptive 10/100/1000BASE-T Ethernet ports
- √ WIFI 802.11b/g/n/ac/ax 2.4GHz/5GHz 3000Mbps
- √ 1 POTS port for telephony
- √ 1 USB port
- √ Compatible with ITU-T G.984.x standard, meets all requirements for access to ultra-broadband FTTH networks
- √ Maximum downstream speed 2.5 Gbps and upstream speed 1.25 Gbps
- √ Allows access to ultra-broadband services: internet, VoIP, and IPTV
- √ Efficient management via SWH-TR server
- √ 16 VLANs for 16 services per ONT



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ONT 4 W6



TECHNICAL TABLE

REFERENCE	ONT 4 W6
Code	310049
GPON specifications	
Transfer speed	Downstream: 2.488Gbps / Upstream: 1.244Gbps
Connector	SC/APC
Optical	ITU-T G.984.2 Clase B+
Standards	ITU-T G.984.x (G.984.5 support) FCC 47 CFR Part 15, Class B FDA 21 CFR 1040.10 & 1040.11, Class I IEEE 802.3 Ethernet 802.1 q/p VLANs
Optical wavelength and power	Downlink Wavelength: 1490nm Sensitivity: -28dBm Saturation: -8dBm Uplink Wavelength: 1310nm Transmission power: 0.5 - 5dBm
Fiber mode	G.652 Monomodo
Others	32 T-CONTs 256 GEM Mapeo flexible entre puertos GEM y T-CONTs FEC upstream & downstream Activación con descubrimiento automático de SN y contraseña Codificación AES-128 con generación de claves y conmutación Servicio 802.1p en upstream FEC (Forward Error Correction)
Ethernet specifications	
Standards	IEEE802.3 / IEEE802.3au / IEEE802.3x
Interfaces	4 ports 10/100/1000BASE-T port. RJ45 Connector Auto negotiation Auto MDI/MDIX
Router functionality (switching & routing)	Bridging & Switching (802.1d / 802.1q) 8 clases de tráfico (802.1p) Control de flujos 802.3n Etiquetado y filtrado de VLAN* VLAN stacking (Q-in-Q) IGMP multicast para video IPTV / IGMP snooping RSTP / IPHOST /SSH QOS-SP, WRR, SP+WRR Port Mirror
WiFi specifications	
Standard	IEEE 802.11b/g/n/ac/ax
Frequency	2.4 GHz / 600Mbps & 5.8 GHz 2400Mbps - Total= 3000Mbps
Antenna	4 externas + 1 interna
EIRP	Max 25dBm
Others	Up to 4 possible SSID's per band Up to 64 simultaneous connections WEP, WPA-PSK, WPA2-PSK (AES, TKIP) Security MAC filtering
POTS Telephony specifications	
REN	Max 5REN
Connector	1 puerto RJ11
Call Voltage	65V RMS
Protocols	SIP / MGCP G.711 (A- & u-), G.729, G.726 codec DTMF Calling Echo suppression support, VAD, CNI Call identification, hold call, forward call, 3-users call T.30 & T.38 FAX
USB	
Funtion mode	Host / device
Current	Max 1A
General specifications	
Working temperature	-5~45°C
Voltage	12V DC1.5A max

*The ONT supports a maximum of 16 VLANs, 15 for general purpose and 1 for management. The 15 general purpose VLANs can be assigned to any of the ONT's physical interfaces (4 Ethernet ports, 8 SSIDs, and the VOIP interface for the POTS port) available on the ONT. The ONT's physical interfaces operate in access mode, therefore, they can only carry untagged traffic of a VLAN. A VLAN can be assigned to one or multiple physical interfaces simultaneously.

*The ONT features a special option, vlan binding, which allows configuring one of the Ethernet ports in trunk mode to carry tagged traffic from multiple VLANs simultaneously. VLANs configured on this port cannot be used on another interface.



EJEMPLO DE APLICACIÓN

