



EKSELANS BY ITS

GPON / FTTH OPTICAL NETWORK TERMINAL

ONT 2W



- ✓ GPON Optical Network Unit for SOHO and residential purposes
- ✓ 2 x Autoadaptive 10/100/1000Base-T Ethernet ports
- ✓ WiFi 2x2 802.11n (Up to 300Mbps of wireless throughput)
- ✓ 1x POTS telephony port
- ✓ Allows access to ultra high speed networks: Internet, VoIP and IPTV
- ✓ Compatible with ITU-T G.984.x standard. Meets all requirements for creating ultra high speed FTTH networks
- ✓ 2,5Gbps maximum downlink / 1,25 Gbps uplink speed
- ✓ Local and remote management. OMCI, Web, CLI and SNMP
- ✓ Compatible and interoperable with the Ekселans by ITS OLTs and other main brands in the market



ONT 2W

TECHNICAL TABLES

REFERENCE	ONT 2W
Code	310032
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 Monomode
Others	32 T-CONTs 256 GEM Flexible mapping between GEM ports and T-CONTs Upstream and downstream FEC (Forward Error Correction) Automatic discovery of SN and password activation AES-128 encryption with keys generation and computation 802.Ip service upstream
Ethernet specifications	
Standards	IEEE802.3 / IEEE802.3au / IEEE802.3x
Interfaces	2 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 QOOSP, WRR, SP+WRR Port Mirror
WiFi specifications	
Standard	IEEE 802.11 b/g/n (Up to 300 Mbps throughput)
Frequency	2,4 GHz / 300Mbps
Antenna	2x2, 5dBi
EIRP	Max 25dBm
Others	Up to 4 possible SSID's Up to 64 simultaneous connections WEP, WPA-PSK, WPA2-PSK (AES, TKIP) Security MAC filtering
POTS Telephony specifications	
REN	Max 5REN
Connector	1 port RJ11
Call Voltage	65V RMS
Protocols	SIP / MGCP G.711 (A- & u-), G.729, G.726 codec DTMF Calling Echo suppression support, VAD, CNV Call identification, hold call, forward call, 3-users call T.30 & T.38 FAX
USB	
Function mode	Host / device
Current	Max 1A
General specifications	
Working temperature	-5~45°C
Voltage	12V DC1.5A max
Dimensions	244 x 161 x 41 mm
Weight	500g (aprox.)

EJEMPLO DE APLICACIÓN

