



XPON ONT with 1GE, 1FE, WiFi & CATV Interfaces Product Specifications

Description

The Multicom MUL-XPON-ONT200-S-WR, 1GE+1FE+WiFi+CATV ONT is designed for the FTTH and triple play services for cable operators. It meets FTTH, SOHO broadband access, video surveillance and other requirements AND is compatible with both EPON and GPON OLTs for flexible network deployments and future-proofing.

The MUL-XPON-ONT200-S-WR is based on mature and stable, cost-effective EPON/GPON technology, high reliability, easy management, configuration flexibility and good quality of service (QoS) guarantees to meet the technical performance of IEEE802.3ah and ITU-TG.984.x.

Features

- Dual Mode - Can be used with GPON & EPON OLTs
- Designed for FTTH and triple play services
- Supports CATV Management
- Integrated auto-detecting
- Auto configuration capabilities
- WiFi: Dual Antenna with IEEE802.11b/g/n
- Bridging and Routing modes
- Security and Reliability: Flow & Storm control, Loop Detection
- Powerful, flexible O&M Support: WEB/TELNET/OAM/OMCI/TR069



MUL-XPON-ONT200-S-WR

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XPON ONT

with 1GE, 1FE, WiFi & CATV Interfaces

Product Specifications

Parameter	Specification
PON Interface	1 x XPON port (EPON PX20+ and GPON Class B+)
	Receiving sensitivity: $\leq -28\text{dBm}$
	Transmitting optical power: $0 \sim +4\text{dBm}$
	Transmission distance: 20KM
Wavelength	Transmit: 1310nm, Receive: 1490nm, 1550nm
Optical Interface	SC/APC connector (signal fiber with WDM)
LAN Interface	1 x 10/100/1000Mbps, 1 x 10/100Mbps auto adaptive Ethernet interfaces, Full/Half, RJ45 connector
WiFi Interface	Compliant with IEEE802.11b/g/n
	Operating frequency: 2.400 - 2.4835GHz
	Support MIMO, rate up to 300Mbps
	2T2R, 2 external antenna 5dBi
	Support: Multiple SSID
	Channels: 13
	Modulation type: DSSS, CCK & OFDM
	Encoding scheme: BPSK, QPSK, 16QAM & 64QAM
CATV Interface	Interface: 'F' Female RF Connector
	RF, optical power : $+2 \sim -18\text{dBm}$
	Optical reflection loss: $\geq 45\text{dB}$
	Optical receiving wavelength: $1550 \pm 10\text{nm}$
	RF frequency range: 47~1000MHz
	RF output impedance: 75Ω
	RF output level: $\geq 82\text{dBuV}$, (-7dBm optical input)
	AGC range: $+2 \sim -7\text{dBm}$ / $-4 \sim -13\text{dBm}$ / $-5 \sim -14\text{dBm}$
MER: $\geq 32\text{dB}$ (-14dBm optical input), > 35 (-10dBm)	
LED	7: POWER Status, LOS, PON, GE, FE, WiFi, CATV
Operating Condition	Temperature: $0^\circ \sim +50^\circ\text{C}$ ($32^\circ \sim +122^\circ\text{F}$), Humidity: 10% ~ 90% (non-condensing)
Storing Condition	Temperature: $-30^\circ \sim 50^\circ\text{C}$ ($-22^\circ \sim 140^\circ\text{F}$), Humidity: 10% ~ 90% (non-condensing)
Power Supply	12VDC/1A, 7W, 120-240VAC 50/60Hz AC Power Adapter, USA plug
Dimension (L x W x H) / Weight	185mm x 120mm x 34mm (7.3" x 4.7" x 1.3")
Net Weight	0.29Kg (0.64lb)
Software Key Features	Specification
XPON Mode	Dual Mode , Uses both EPON/GPON OLTs
Software Mode	Bridging and Routing Modes
Layer2	802.1D&802.1ad bridge,802.1p Cos,802.1Q VLAN
Layer3	IPv4/IPv6 , DHCP Client/Server , PPPoE ,NAT , DMZ , DDNS
Multicast	IGMPv1/v2/v3 , IGMP snooping
Security	Flow & Storm control, Loop Detection
CATV Management	Supported
WiFi	IEEE802.11b/g/n (TX power: 17dBm/16dBm/15dBm), Up to 300Mbps Authentication : WEP/WAP-PSK(TKIP)/WAP2-PSK(AES).
Firewall	Filtering Based on ACL/MAC/URL
O&M	WEB/TELNET/OAM/OMCI/TR069

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