

GPON and RF Overlay

OPTICAL TERMINATION NODE FOR GPON NETWORKS

ONT Series

GPON optical network terminal.



FEATURES

- Multiple 10/100/1000BASE-T Ethernet ports.
- Single- and dual-band Wi-Fi with transfer rates between 300 and 1200 Mbps.
- POTS port for telephony.
- Compatible with ITU-T G.984.x standard.
- Compatible with Triple Play services: Internet, VoIP and IPTV.
- Maximum speed: 2.5 Gbps downstream, 1.25 Gbps upstream.
- Management via OMCI, Web, SSH, TR069.

MODEL	ONT 115	ONT 112 C	ONT 412 C	ONT 425
Part number	10433	10432	10431	10434
GPON standard	ITU-T G.984.X (G.984.5 WBF)			
Class	B+			
Wavelengths nm	Downlink 1490 / Uplink 1310			
SFP connectors	SC/APC			
Authentication	SN or password according to G.984.3			
Other	Flexible mapping between GEM port and TCONT			
Ethernet ports	1GE + 3FE RJ45		4GE RJ45	
Router functionality	Bridging & Switching (802.1d / 802.1q) 8 traffic priorities (802.1p). VLAN filtering. IGMP multicast for IPTV			
CATV				
Bandwidth	---	54–870 MHz		---
Impedance	---	75		---
POTS TELEPHONY				
REN	Max. 4 REN			
Connectors	2 RJ11		1 RJ11	
Ring tones	DTMF			
Protocols	G.711A/μ, G.729a/b, and G.722, T.30/T.38/G.711 fax mode, SIP			
WIFI SPECIFICATION				
Standard	IEEE 802.11 a/b/g/n (2.4) 2x2 MIMO			IEEE 802.11 a/b/g/n/ac (2.4/5G) 2x2 MIMO
Bandwidth	300Mbps			300Mbps (2.4G), 867Mbps (5G)
Antenna	2x5dBi	2x2 dBi		2x5dBi
Other	4 different SSIDs. WPS/WMM			4+4 different SSIDs. WPS/WMM
Management interface	Web/OMCI/TR069			
Status LED	POWER/PON/LOS/LAN/TEL/USB/WLAN/WPS	POWER/PON/LOS/LAN/TEL/USB/WLAN/WPS/CATV		POWER/PON/LOS/LAN/TEL/USB/WLAN/WPS
Mounting	Wall and desktop			
Power supply (redundant) V	11–14 Vdc, 1.5 A (AC adapter included)	11–14 Vdc, 1 A (AC adapter included)	11–14 Vdc, 2 A (AC adapter included)	11–14 Vdc, 1.5 A (AC adapter included)
Power consumption W	5.5	7.3	7.5	5.3
Operating temperature °C	0–40			
Storage temperature °C	-40 to 85			
Storage humidity %	5–95			
Dimensions mm	176 x 138.5 x 28	175 x 115 x 34	173 x 120 x 30	
Weight kg	0.28	0.27	0.4	0.25