

The Adopt AD2X-1111 is an Intelligent Optical Terminal (ONT) home gateway with Wi-Fi.

The device has built-in Wi-Fi® 802.11b/g/n networking with triple play capability that simplifies the home equipment experience, a unique connectivity solution with high reliability, easy management, configuration flexibility.

It can provide triple play services with voice, video, and data.

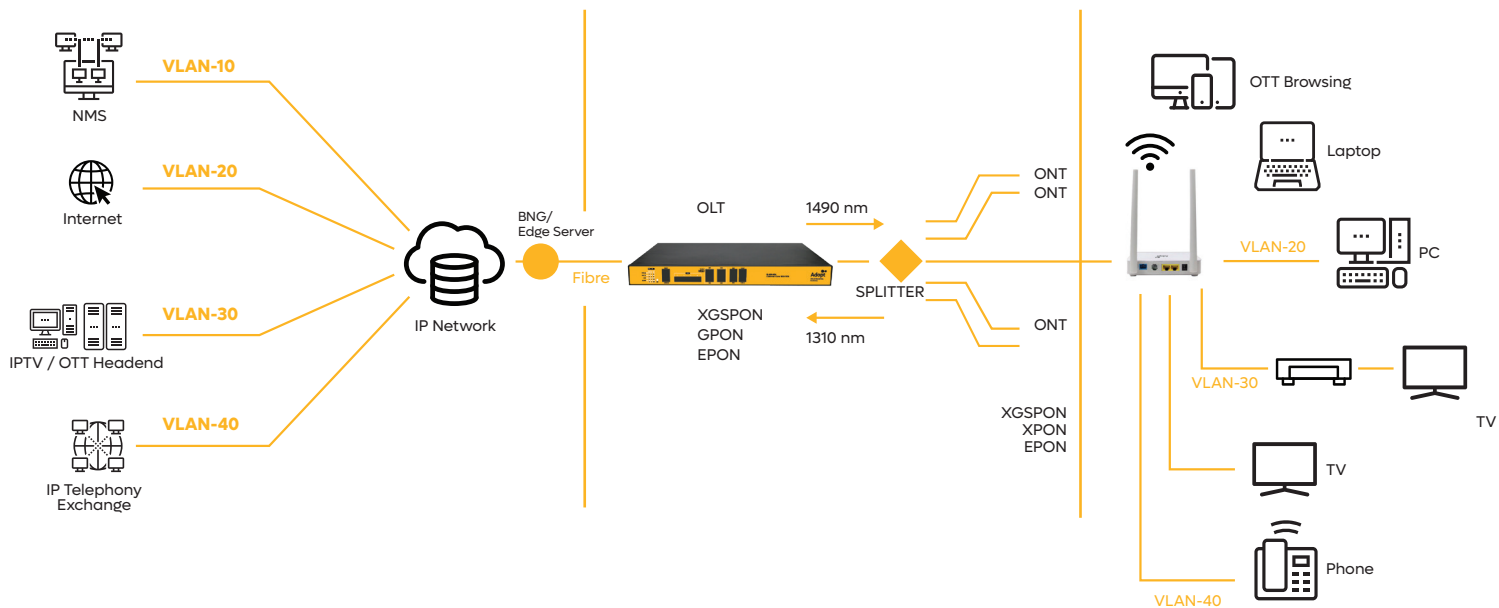


AD2X-1111 design is based on mature, stable, and cost-effective XPON technology. It can switch automatically with EPON and GPON when it accesses to the EPON OLT or GPON OLT. The Quality of Service (QoS) guarantees to meet the technical performance of the module of GPON Standard of ITU-T G. 984.X and EPON standard of IEEE 802.3.

CHARACTERISTICS

- Dual mode (Can access EPON/GPON OLTs).
- Plug and play, integrate auto detection, auto configuration and auto firmware upgrading.
- Support 802.11n Wi-Fi (T/R) function, wireless transmission rate up to 300Mbps.
- Support downstream 2.5Gbps and upstream to 1.25Gbps with transmission distance to 20Km.
- Fiber access and gigabit port provide incredibly fast transfer speeds.
- Supports OMCI (ONT Management Control Interface) remote management.
- Support IPv4/IPv6 IGMP snooping and MLD snooping.
- POTS integrated circuit test complies ITU-T G.729/G.722/G.711a/G.711.

ADOPT ONT -Triple Play (GE Ports + Wifi + VoIP)



SPECIFICATION

GENERAL

GPON Standards	ITU-T G.984
Distance	20Km Max
Data Rates	Upstream: 1.25Gbps Down stream :2.5Gbps
Wireless Standards	IEEE 802.11 b/g/n
Signal Rate	Up to 300Mbps
Operation Frequency	2.4GHz
Transmit Power	16dBm@MCS7 HT40 16dBm@MCS7 HT20 17dBm@OFDM 54M 19dbm@CCK 11M
Receive Sensitivity	11g 54M: -67dBm 11n HT20: -64dBm 11n HT40: -62dBm
PON TX Power	1~3dBm (1310nm)
PON RX sensitivity	<-28dBm (1490nm)
Wireless Security	WEP, WPA / WPA2, WPA-PSK/ WPA2-PSK encryption
VOiP	SIP (RFC3267), G.729/G.722/G.711a/G.711
Standards Power	< 5W

SPECIFICATION

GENERAL

Interfaces	1 xSC/PC or 1xSC/APC (optional) ----- 1x 10/100/1000Mbps LAN Port ----- 1 x 10/100Mbps LAN Port 1xPOTS Port
Buttons	----- Wi-Fi Button, Reset Button
Power Supply	----- DC 12V 1A
Antenna	----- 2*5dBi external antenna
Dimensions (W X DX H)	----- 130*102*31 mm (length*width*height)

ENVIRONMENT

Operating Temperature	----- 0°C~50°C (32°F~122°F)
Storage Temperature	----- -40°C~70°C (-40°F~158°F)
Operating Humidity	----- 10%~90%, non-condensing
Storage Humidity	----- 5%~90% non-condensing
Certifications	----- CE, RoHS

SOFTWARE

WAN Type	----- Dynamic IP/Static IP/PPPoE
DHCP	----- Server, Client, DHCP Client List, Address Reservation WMM,
Quality of Service	----- Bandwidth Control
Port Forwarding	----- Virtual Server, Port Triggering, UPnP, DMZ
VLAN	----- 802.1Q tag VLAN, VLAN transparent mode/VLAN translation mode/VLAN trunk mode
Access Control	----- Parental Control, Local Management Control, Host List, Access Schedule, Rule Management
Firewall Security	----- DoS, SPI Firewall, IP Address Filter/MAC Address Filter/ Domain Filter IP and MAC Address Binding
VOiP Features	----- One RJ-11 POTS port for connecting to analog telephones Call forwarding, Call waiting, Call block, 3-way conference call, etc.
Management	----- Access Control, Local Management, Remote Management
Internet Protocol	----- IPv4, IPv6

PACKAGE CONTENTS

Package Contents	----- 1 x xPON ONT ----- 1 x Quick Installation Guide ----- 1 x Power Adapter
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At Adopt, we are helping create the worlds most advanced networks through AI, wired & wireless networks, connected devices, Cloud & Data Analytics.

Our people and solutions are at the cutting edge of innovation, helping solve todays problems and anticipating future needs.

Adopt is created through a synergy between Altius and RAH infotech - bringing together a wealth of experience in their individual domains.

ACF is one of the fastest growing system integrator for Telecom, Broadband and Cable & Broadcast Industry.

RAH Infotech is one of India's leading value added distributor and solutions provider in the Network and Security domain.

Our combined expertise coupled with a young dynamic team allows us to create continuous innovation that is designed, created and manufactured in India for a global marketplace.

Adopt solutions increase user experience, optimise operations and increase profitability by leveraging existing infrastructure and connecting to AI based Cloud Controller over EDGE. Our solutions ensure that you are always ahead of the curve