

X614-2VDU

4GE Ethernet ports with Wifi(2.4G+5G) 2*VOIP dual mode ONU

Description:

X614-2VDU XPON(GPON and EPON dual mode) ONU. It is designed for meeting the triple-play service needs of fixed network operators or cable operators, and widely used in FTTx, video surveillance and other requirements. It is based on mature GPON and Gigabit EPON technology, and has high ratio of performance to price, stable, cost-effective, high reliability, easy management, configuration flexibility and good quality of service (QoS) guarantees. It is fully compliant with GPON and EPON technical regulations such as ITU-T G.984.x, IEEE802.3ah requirement. it can be used as GPON or EPON.



Basic Characteristics

Tech parameters	description
Up-link interface	1 XPON interface ,SC single mode single fiber RX 2.488 Gbits/s rate and TX 1.244 Gbits/s(GPON), RX 1.244 Gbits/s rate and TX 1.244 Gbits/s(EPON) rate Fiber type : SC/UPC Optical power : 0~4 dBm Sensitivity : -28 dBm safety: ONU authentication mechanism
Wavelength(nm)	TX 1310nm , RX 1490nm
Fiber connector	SC/UPC connector
Down-link data interface	4*10/100/1000M auto-negotiation Ethernet interface, RJ45 interface
Indicator LED	13 pcs
DC supply interface	input + 12V 1.5A
Power	≤8W
Operating temperature	-5 ~ +55℃
Humidity	10 ~ 85% (non-condensation)
Storage temperature	-30 ~ +70℃
Dimension (MM)	175*117*35mm (mainframe)
Weight	0.45Kg (mainframe)

WIFI characteristics

Tech features	description
antenna	2T2R Mode 5DBI Gain ,Frequency:2.4G、 5.8G
rate	300Mbps PHY rate
encryption methods	WFA、 WPA、 WPA2、 WAPI

VOIP Technical feature

Tech features	description
Voltage and Current Monitoring	The XPON ONU continuously monitors the TIP, RING, and battery voltages and currents via an on-chip Monitor ADC

Power Monitoring and Power Fault Detection	The XPON ONU monitoring functions are used to continuously protect against excessive power conditions
Thermal Overload Shutdown	If the die temperature exceeds the maximum junction temperature threshold, the device will shut itself down

Definition of indicator LED

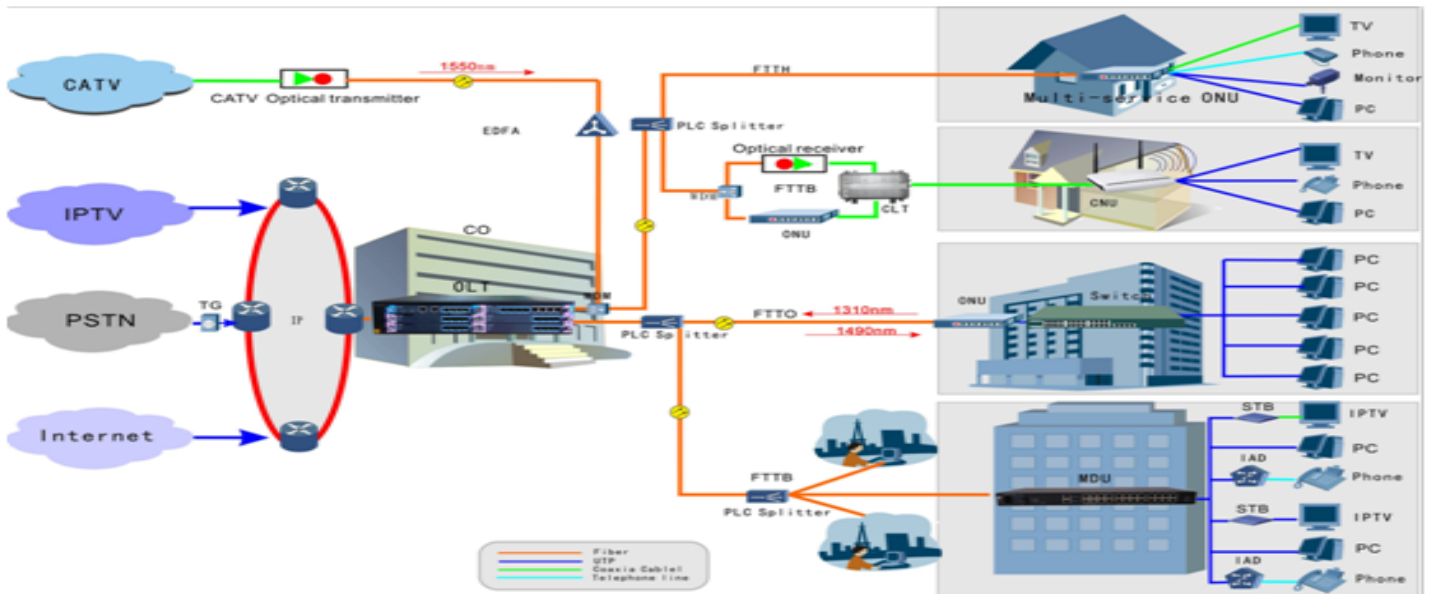
symbol	color	meaning
PWR	green	ON:successfully connect with power OFF:fail to connect with power
PON	green	ON:ONU port Link link correctly Flicker: PON registering OFF:ONU ports link link faulty
LAN	green	ON: Link up correctly Flicker: data is transmitting OFF: link down faulty
FXS	green	ON: Register success OFF:Register fail
WLAN	green	ON: WIFI is running OFF:WIFI startup fail
LOS	red	Flicker: fail to connect with PON port OFF: detected fiber to input
USB	green	ON:successfully connect with USB OFF:fail to connect with USB

- λ Plug and play, features auto-detecting, auto-configuration, and auto firmware upgrade, etc.
- λ Completely compatible with GPON international standard IEEE802.3ah/802.3-2005
- λ Support China Telecom GPON CTC3.1 standard and expand OAM
- λ Support triple churning encryption request
- λ Support DBA reporting mechanism request
- λ Support OAM (Link, Test, Loop back)maintenance function defined IEEE802.3ah
- λ Support the remote upgrade and download
- λ Support status detection and fault report
- λ Support to save configured parameters if power down
- λ Support to configure the work mode at the user port
- λ Support MDI-MDIX automatic-detection at the user port.
- λ Support data encryption and decryption
- λ Support access authentication based on serial number
- λ Support access authentication based on MAC address
- λ Support 802.1Q VLAN
- λ Support rich QinQ VLAN functions and IGMP Snooping
- λ Support traffic rule to modify the related priority.
- λ Support IEEE802.11n 2T2R WiFi function
- λ Support to restore the factory settings
- λ Support the remote reset and reboot
- λ Support dying gasp outage alarm
- λ Fully compatibility with OLT based on Broadcom/PMC/Cortina chipset.

Physical Pic Reference :



Solutions:



Ordering Information:

Product name	Product description
X614	1*XPON(1490nm Rx,1310nm Tx,20Km,SC),4*10/100/1000Base-T , 12V Power supply
X614-V	1*XPON(1490nm Rx,1310nm Tx,20Km,SC),4*10/100/1000Base-T, VOIP,12V Power supply
X614-2VDU	1*XPON(1490nm Rx,1310nm Tx,20Km,SC),4*10/100/1000Base-T,Dual mode WIFI,2*VOIP,USB, 12V Power supply