

# HPR4 Series XPON ONU



not include USB and telephone interfaces

## Product Overview

Optical Network Unit (ONU) is a user-side device in PON network, which provides users with access services for data and other services. The main function of the ONU device is to receive optical signals in the downstream direction and convert them into Ethernet messages to be transmitted to the users, and to convert Ethernet messages received from the user's equipment or network into optical signals in the upstream direction and transmit them to the upper-layer network through the PON network. PON network to the upper layer network.

HPR4 series is the optical network unit (ONU) product in XPON series products developed by our company. The product uses passive optical network (PON) technology, which is superior to traditional access products in terms of cost-effectiveness, maintainability, expandability and many other aspects.

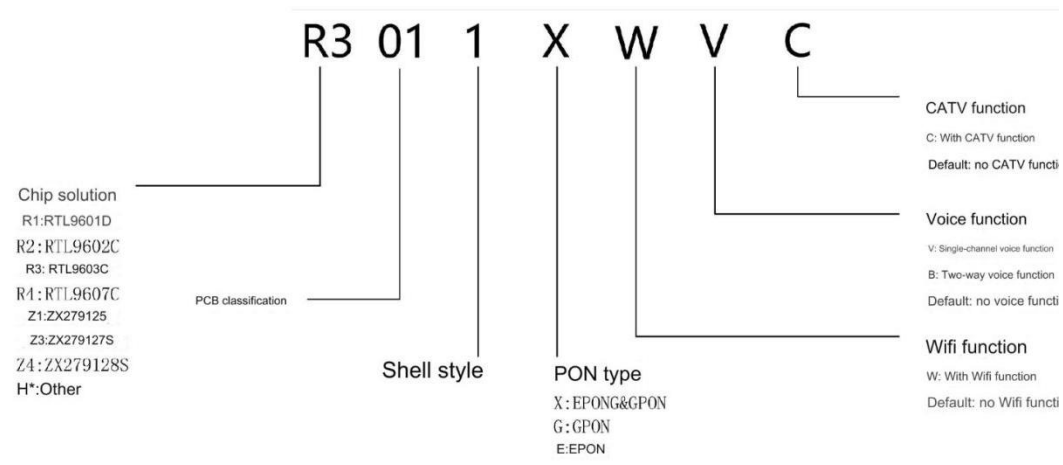
The HPR4 series provides 4 Gigabit Ethernet ports, dual-band WIFI, a VOIP interface with a CATV RF interface (optional).

## Performance Characteristics

- ◆ Supports automatic EPON/GPON mode switching
- ◆ Support HGU function
- ◆ Supports PPPoE/DHCP/static IP routing mode and bridge mode
- ◆ Supports IPV4 and IPV6 dual mode
- ◆ Support 2.4G/5.8G dual-band WIFI with multi-SSID function
- ◆ Supports LAN IP and DHCP Server configuration
- ◆ Supports port mapping and loop detection
- ◆ Support 4\*10/100/1000M network adaptive
- ◆ Support firewall function and ACL function
- ◆ Supports IGMP Snooping/Proxy multicast features
- ◆ Supports TR069 remote configuration and maintenance
- ◆ Support one way CATV RF radio frequency (optional)



## Selection instructions



Example: R4011XWVC

According to the model number, this ONU is an XPON with wifi, voice and CATV functions using the RTL9607C master control program.

## Technical Parameters

Item	Type	Technical Parameters
PON	Interface Type	No CATV: SC/UPC With CATV: SC/APC
	receiver sensitivity	≤-27dBm
	luminous power	+1~+4dBm
	transmission distance	20KM
	operating wavelength	TX: 1310nm RX: 1490nm
CATV	center wavelength	1550nm
	Input optical power	+2~-15dBm
	Optical reflection loss	> 45dBm
	frequency range	47-1006MHz
	flatness	±1 dBm (47-1006 MHz)
	output level	≥80dBuv(0~-12dB)
	Output Impedance	75Ω
	AGC	0~-12dBm
	Carrier-to-noise ratio	≥51dB
	CTB	≥65dB
CSO	≥62dB	
LAN	Interface Type	4 Gigabit RJ45 ports
	transfer mode	10/100/1000Mbps Adaptive
Wi-Fi	protocols	IEEE802.11a/b/g/n/ac
	2.4G operating	2.400-2.4835 GHz

	frequency	
	5G operating frequency	5.150-5.825 GHz
	2.4G External Antenna	2*2MIMO,300Mbps
	5G External Antenna	2*2MIMO,867Mbps
	Number of antennas	4 x 5dB high gain antennas
	(sth. or sb) else	Multi-SSID support
Power supply related	connector	DC005 φ2.1mm
	input voltage	12V1.5A
	Rated power consumption	≤7W
Environment-related	operating temperature	0~+50°C
	Operating humidity	10~85% (non-condensing)
	Storage temperature	-30~+60°C
Size Weight	Product Size	200*150*31mm
	Package Size	275*245*40mm
	Net Weight	0.4KG
	total weight	0.6KG