

XPON ONU product WIFI6 PX7 AX18 Series

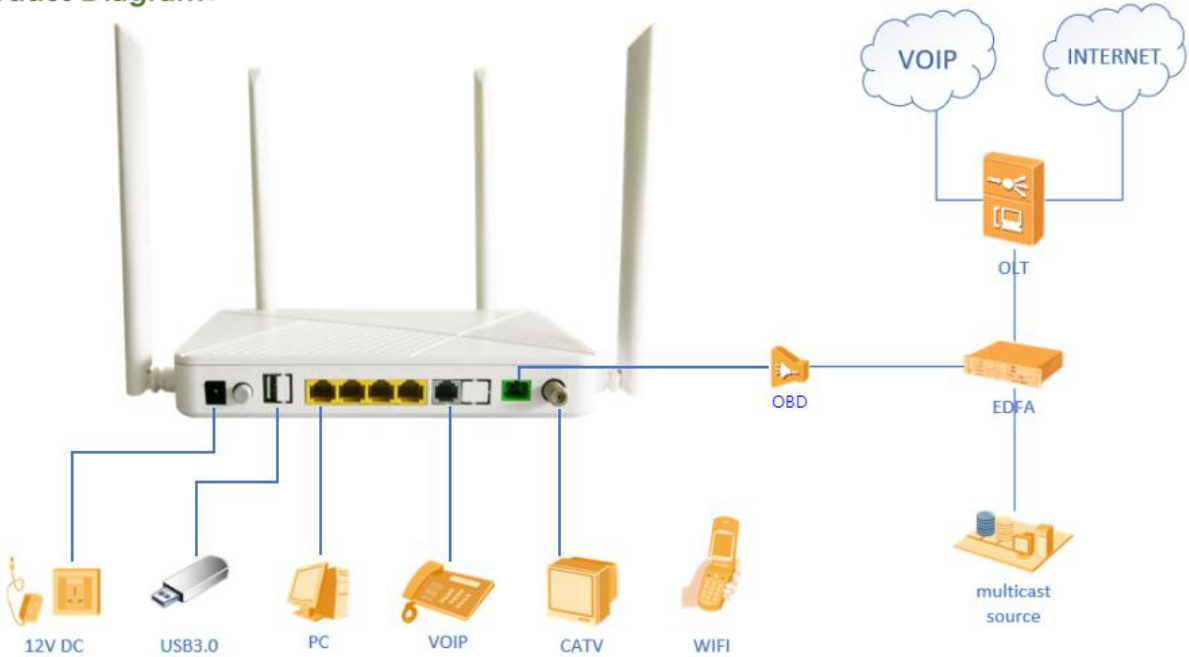
MCR ONU-W6-PX7



Description:

- Optical Network Unit (ONU) is user-side device in PON network, providing access to data and other services. The ONU's primary function is to receive optical signals in the downstream direction and convert them into Ethernet packets for transmission to users. In the upstream direction, it converts Ethernet packets received by user devices or networks into optical signals and transmits them to upper-layer networks via the PON network.
- The MCR ONU-W6-PX7 is an Optical Network Unit (ONU) in our xPON product line. Utilizing passive optical network (PON) technology, these products surpass traditional access products in many aspects, including cost-effectiveness, maintainability, and scalability.
- MCR ONU-W6-PX7 series offers four Gigabit Ethernet ports , dual-band Wi-Fi, one VOIP port, one CATV radio port , and two USB ports.

Product Diagram:



MCR GROUP, INC.

Interface Parameters:

Project	Type	Technical parameter
PON	*interface type	No CATV: SC/UPC With CATV: SC/APC
	receiving sensitivity	≤-27dBm
	Luminescence power	+0.5~+5dBm
	transmission distance	20Km
	operating wavelength	TX: 1310nm RX: 1490nm
*CATV	The central wavelength	1550nm
	Input light power	+2~-15dBm
	reflection loss of light	> 45dB
	frequency range	47-1006MHz
	plainness	±1dBm (47-1006MHz)
	output level	≥80dBu
	output impedance	75Ω
	AGC	0~-12dBm
	carrier-to-noise ratio	≥51dB
	CTB	≥65dB
	CSO	≥62dB
*LAN	interface type	4 or 2 Gigabit RJ45 ports
	transmission mode	10/100/1000Mbps network adaptive
*Wi-Fi	Protocols	IEEE802.11a/b/g/n/ac/ax
	2.4G Operating Ffrequency	2.400-2.4835GHz
	5G Operating Ffrequency	5.150-5.825GHz
	2.4G External Antenna	2*2MIMO, 573Mbps
	5G External Antenna	2*2MIMO, 1201Mbps
	Number of Antennas	4pcs 5dB high-gain antennas
VoIP	SIP	Support SIP
	Audio Coding Standard	Support G.711a/G.711u/G.722/G.729 Codec
	Others	Support echo cancellation, VAD/CNG, DTMF Relay function
		Supports T.38 fax/caller identification/call waiting/call transfer/call transfer/call hold/three-party conference
Environmental correclation	working temperature	IEEE802.11a/b/g/n/ac/ax
	Working humidity	2.400-2.4835GHz
	Storage temperature	5.150-5.825GHz
Size weight	product size	2*2MIMO, 573Mbps
	packing measurement	2*2MIMO, 1201Mbps
	Net weight of products	4pcs 5dB high-gain antennas
	total weight	Support SIP

