

ONU1930 Series ONUs

1-Port XG-PON HGU ONU, 3000Mbps WIFI6



ONU1930-4G-W



ONU1930-4GV-W



ONU1930-4GC-W

Overview

FS's ONU1930 Series ONU is a smart home gateway terminal product for multi-service convergence network, integrating wireless and voice functions.

XG-PON ONU complies with the international standard ITU-T G.987.3/988/989 and IEEE 802.1Q, VLAN and China Communications Industry Standard GB/T 39577-2020 10Gbit/s Passive Optical Network (XG-PON). With great interoperability and operability, it can realize the interconnection with OLT of the mainstream manufacturers in the industry. ONU1930 Series ONU has 3 models: ONU1930-4G-W, ONU1930-4GV-W and ONU 1930-4GC-W.

Benefits

- Support 10Gbps Downlink/2.5Gbps Uplink for 1:256 Splitting Ratio and 20KM Network Coverage Radius
- Achieves VLAN, ACL, QoS and Other Technologies for Safe Business Carrying
- DBA , Rate-Limit and QOS Functions Ensure Service Quality
- Standard OMCI Defined by ITU-T and Private OMCI Defined by Boda Achieve Richer Business Control
- ITU-T G.987.3/988/989 Standards Ensure Compatibility with Mainstream OLT Equipment
- "GreenTouch" Architecture and "Smart@CHIP" Smart Chip Technology Protect the Environment

Technical Specification

ONU1930-4G-W series ONU can provide high performance broadband access service for smart home. Here’s a look at the details.

CHARACTERISTICS

	ONU1930-4G-W	ONU1930-4GV-W	ONU1930-4GC-W
PON Ports	1x SC/UPC	1x SC/UPC	1x SC/APC
UNI Ports	4x GE + 1x USB	4x GE + 1x USB + 1x POTS	4x GE + 1x USB + 1x RF
Optical Tx Power	0.5~5dBm	0.5~5dBm	0.5~5dBm
Optical Receive Sensitivity	≤-28dBm	≤-28dBm	≤-28dBm
Power Supply	DC 12V/2.0A	DC 12V/2.0A	DC 12V/2.0A
Power Consumption	<24W	<24W	<24W
Dimensions(HxWxD mm)	1.42"x7.28"x5.31" (36x185x135mm)	1.42"x7.28"x5.31" (36x185x135mm)	1.42"x7.28"x5.31" (36x185x135mm)
Operation Temperature	0°C to 45°C (32 to 113°F)	0°C to 45°C (32 to 113°F)	0°C to 45°C (32 to 113°F)
Operating Humidity	10% to 90% (non-condensing)	10% to 90% (non-condensing)	10% to 90% (non-condensing)

Notes:

RJ45 ports support 10/100/1000Mbps Ethernet, POTS ports enable standard VoIP, and the CATV port delivers analog/digital TV services.

FEATURES

	ONU1930-4G-W	ONU1930-4GV-W	ONU1930-4GC-W
VLANs	Port Based VLAN IEEE 802.1Q VLAN		
PON Ports	Up to 2.5Gbps Upstream and 10Gbps Downstream Epon Maximum Transfer Distance of Up to 20km		
Standards	ITU-T G.987.3/G.988/G989, IEEE 802.1Q, VLAN China Communications Industry Standard GB/T 39577-2020 10Gbit/s Passive Optical Network (XG-PON)		
Data Forwarding	Support Working Mode and Bridge Mode		

	ONU1930-4G-W	ONU1930-4GV-W	ONU1930-4GC-W
DNS	Support DNS Relay		
DHCP	Support DHCP Server		
Multicast	Support IGMP-Snooping Support IGPM Proxy Support Full-routing Multicast		
Voice Service	/	Support SIP, H.248	/
WIFI	IEEE802.11b/g/n/ac/ax MU-MIMO (Max 3000Mbps) Multi SSID SSID Encryption		
Reliability	Loop Detection Dying-Gasp		
Network Security	Firewall		
Management	Web/TELNET/TR069/OMCI TFTP/WEB/TR069/OLT for Software Upgrade		
Heat Dissipation	For long time use (24 hours), equipment heating will not cause performance degradation and device deformation damage.		
CATV Service	/	/	AGC: -10 to +2dBm Output level ≥70dBuv