



4GE+2USB+AC1200 WiFi 5

Model: ZC-500W (GPON ONU)

Product Introduction

ZC-500W is a GPON Optical Network Terminal(HGU) designed for FTTH scenario. It supports L3 function to help subscriber construct intelligent home network. It provides subscribers rich, colorful, individualized, convenient and comfortable services including video (IPTV) and high speed internet access.

Product Specifications

Hardware Parameter	
Dimension	185mm×140mm×38mm(L×W×H)
Net weight	0.3Kg
Operating condition	Operating temp:0 ~ +40°C Operating humidity:5 ~ 95% (non-condensed)
Storing condition	Storing temp: -30 ~ +60°C Storing humidity: 5 ~ 95% (non-condensed)
Power adapter input	100–240 V AC, 50 / 60 Hz
System power supply	12V DC, 1 A
Power consumption	<10W
Interface	4GE+2USB+2.4G&5G WiFi
Indicators	PWR,PON ,LOS,NET,ETH1~4,WPS,WiFi,USB1~2
Interface Parameter	
PON Interface	<ul style="list-style-type: none"> • Optical port: ITU-T G.984 GPON standards, Flexible mapping between GEM Port and TCONT • Optical connector: SC/UPC • Receiving Sensitivity: -27dBm • Overload optical power: -8 dBm • Transmitting Optical Power: 0.5~5dBm • Transmission distance: 20KM • Transmit rate: 2.488Gbps downstream; 1.244Gbps upstream • Wavelength: Receiving (DOWN) :1490nm; Transmitting (UP) :1310nm
User interface	4×GE, Auto-negotiation,RJ45 ports
Antenna	2×5dBi external antennas
USB	2×USB2.0, USB backup
Function Data	
Ethernet Port	<ul style="list-style-type: none"> • Ethernet port-based VLAN tags and tag removal • VLAN transparent transmission • Q-in-Q • MAC address learning • Auto-adaptive 10 Mbit/s, 100 Mbit/s or 1000 Mbit/s
WiFi	<ul style="list-style-type: none"> • IEEE 802.11 b/g/n (2.4G) • IEEE 802.11 a/n/ac (5G)

	<ul style="list-style-type: none"> • 2 × 2 MIMO (2.4G&5G) • Antenna gain: 5 dBi, double external antenna • 2.4G&5G concurrent • Air interface rate:300 Mbit/s (2.4G); 867 Mbit/s(5G) • WMM • Multiple SSIDs • WPS
USB port	<ul style="list-style-type: none"> • USB2.0, USB backup • FTP-based network storage • File/Print sharing based on SAMBA • DLNA DMS/UPnP AV (media server)
Management	<ul style="list-style-type: none"> • OMCI/TR069 • Web UI (Http by LAN-Side and WAN-Side) • Telnet (Telnet by LAN-Side and WAN-Side)
L2	<ul style="list-style-type: none"> • MAC learning (SVL)/aging • Support max frame length to 1518 bytes • VLAN tagging for untagged packets • Support VLAN 1-4094 • VLAN transparent/translation
L3	<ul style="list-style-type: none"> • PPPoE/Static IP/DHCP/Bridge • NAT/NAPT • Port forwarding • ALG, UPnP • DDNS/DNS server/DNS client • IPv6/IPv4 dual stack,and DS-Lite • Static/Dynamic/Default routes • Multiple services on one WAN port • RIPv2 with passive mode
Qos	<ul style="list-style-type: none"> • Support 8 Queues with Strict Priority • Ethernet port rate limitation • 802.1ppriority • SP/WRR/SP+WRR • Service flow classification
Firewall	Anti-DDOS, Filtering Based on ACL/MAC /URL
Multicast	<ul style="list-style-type: none"> • IGMP v2 (RFC 2236) and IGMP v3 (RFC 3376) • IGMP snooping and IGMP Proxy • MLD v1/v2
System Configuration	
Main chip	ZTE ZXIC ZX279128S, 1Ghz Dual core
RAM	512MB DDR3
Flash	256MB NAND
WiFi Chip	MTK MT7603EN (2.4G) MT7613AEN (5G)