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GLORY

W626E-10-G Wi-Fi 6 ONU for Campus Gigabit Optical Access



■ ■ Product Overview

The W626E-10-G is a Wi-Fi 6 ONU for campus gigabit optical access. It provides 4 GE ports, 1 POTS port, 1 USB Port, and 2.4GHz&5GHz Wi-Fi 6 function. W626E-10-G implements ultra-broadband access for users in campus networking scenarios such as hotels, dormitories, and offices. Its high-performance forwarding capability effectively ensures voice, wired data, wireless Wi-Fi, and HD video service experience. Provides high-speed and simple network access experience for customers.

Device Parameters	
Operating Temperature	0°C to 40°C
Operating Humidity	5% RH to 95% RH (non- condensing)
Power Adapter Input	100–240 VAC, 50/60 Hz
System Power Supply	12 VDC, 1.5A
Static Power Consumption	5.5 W
Maximum Power Consumption	17 W
Dimensions (H × W × D)	200 mm × 165 mm × 36 mm (without bracket)
Memory	128 MB Flash, 256 MB RAM
Surge Protection Specifications	AC power supply: 6 kV in common mode and 4 kV in differential mode ETH: 2.5kV in common mode POTS: common mode: 2.5kV
Interface Parameters	
GPON port	POTS port
Class B+ <ul style="list-style-type: none"> · Receiver sensitivity: -27dBm · Overload optical power: -8dBm · Wavelengths: 1310nm upstream, 1490 nm downstream · Wavelength blocking filter (WBF) of G.984.5 · Flexible mapping between GEM Port and TCONU · Authentication Mode: Password · Bi-directional FEC · SR-DBA and NSR-DBA · Type B (single-homing&dual-homing) 	<ul style="list-style-type: none"> · Maximum ringer equivalence number (REN): 4 · G.711A/μ, G.729a/b and G.722 encoding/decoding · T.30/T.38/G.711 fax mode · DTMF · Emergency calls (with the SIP protocol)
WLAN	Ethernet port
<ul style="list-style-type: none"> · IEEE 802.11b /g/n/ax (2.4GHz) · IEEE 802.11a /n/ac/ax (5GHz) · 2 × 2 MIMO (2.4GHz&5GHz) · Antenna Gain: 2dBi · Maximum number of SSIDs on the radio: 4 · Maximum Number of Users on the radio: A maximum of 64 per frequency band · Maximum Transmit Power on the radio: 27dBm(2.4GHz), 27dBm(5GHz) · WMM (Wi-Fi Multi Media), Multiple SSIDs, WPS · 2.4GHz&5GHz concurrent · Air interface rate: 574 Mbit/s (2.4GHz), 2402 Mbit/s (5GHz) · Beamforming · Band steering · DL OFDMA · DL MU-MIMO · 1024QAM · 160MHz frequency bandwidth 1 DCM · BSS Coloring · WPA3 	<ul style="list-style-type: none"> · Ethernet port-based VLAN tags and tag removal · 1:1 VLAN, N:1 VLAN, or VLAN transparent transmission · QinQ VLAN · Limit on the number of learned MAC addresses · MAC address learning · Auto-adaptive 10 Mbit/s, 100 Mbit/s or 1000 Mbit/s



Product Function

Smart Interconnection	Smart Service	Smart O&M	Common O&M
<ul style="list-style-type: none"> Smart Wi-Fi coverage SIP/H.248 auto-negotiation Any port any service Parental control 	<ul style="list-style-type: none"> Anti-squatter Scheduled Wi-Fi shutdown Smart Wi-Fi sharing:Portal/802.1x authentication; SoftGRE-based sharing 	<ul style="list-style-type: none"> IPTV video quality diagnosis eMDI Rogue ONU detection and isolation from the OLT Call emulation, and circuit test and loop-line test PPPoE/DHCP simulation testing One-click diagnosis (Web) 	<ul style="list-style-type: none"> OMCI/WebUI/TR069 Variable-length OMCI messages Dual-system software backup and rollback
Multicast	Security	QoS	Layer 3 features
<ul style="list-style-type: none"> IGMP v2/v3 proxy/snooping MLD v1/v2 snooping 	<ul style="list-style-type: none"> SPI firewall Filtering based on MAC/IP/URL addresses Supports 802.1X authentication ONU Port-Level Hard- Isolated 	<ul style="list-style-type: none"> Ethernet port rate limitation 802.1p priority SP/WRR/SP+WRR Broadcast packet rate limitation 	<ul style="list-style-type: none"> PPPoE/Static IP/DHCP NAT/NAPT Port forwarding ALG,UPnP DDNS/DNS server/DNS client IPv6/IPv4 dual stack, DS-Lite and IPv6 SPI Static/Default routes Multiple services on one WAN port
Power Saving			
<ul style="list-style-type: none"> Indicator power saving COC V8 			
Network Management			
<ul style="list-style-type: none"> Visualized network management User-defined bandwidth allocation Wi-Fi optimization & Wi-Fi roaming Wi-Fi O&M Intelligent identification and anti-interference Tunnel data forwarding using control and provisioning of wireless access points (CAPWAP) in FIT mode Centralized Wi-Fi 6 ONU management and maintenance using the built-in AC of an OLT in FIT mode 			
WLAN Security			
<ul style="list-style-type: none"> Open system authentication WEP authentication/encryption is supported. The encryption word length is 64-bit or 128-bit WPA2-PSK authentication/encryption (WPA2 Personal Edition) Connected to 802.1X authentication/encryption (connected Enterprise Edition) WPA3-SAE authentication and encryption (WPA3 personal edition) WPA3 802.1X authentication/encryption (WPA3 Enterprise Edition) Supports WPA-WPA2 hybrid authentication. Supports WPA2-WPA3 hybrid authentication Supports 802.1X authentication, and MAC address authentication Supports Wi-Fi management frame encryption 			



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