

## 1GE+1FE+WIFI+CATV G/EPON DUAL ONU ZP9022-VGWT

1GE+1FE+WiFi+CATV EPON ONU is designed for fulfilling FTTH and triple play service demand of fixed network operators or cable operators.



## MAIN FEATURES

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## Product Specification

- ▶ Support rich VLAN, DHCP Server and IGMP snooping multicast feature.
- ▶ Advantage traffic management
- ▶ Advanced Dynamic Bandwidth Allocation (DBA)
- ▶ The WAN port supports bridge or router mode.
- ▶ Advanced L2 features QinQ VLAN & QoS support.
- ▶ Support NAT, Firewall function.
- ▶ Support Console/ Telnet/ NMS management interface for ease of operation and maintenance.
- ▶ Support 2K MAC address table.
- ▶ Fully compatibility with OLT based on Broadcom/PMC/Cortina chipset.

## Technical parameters

|                   |                                                                                                   |
|-------------------|---------------------------------------------------------------------------------------------------|
| Technical item    | 1GE+1FE+WiFi+CATV                                                                                 |
| PON interface     | GPON mode: Downlink 2.5Gbps / uplink 1.25Gbps<br>EPON mode: Downlink 1.25Gbps / uplink 1.25Gbps   |
| Wavelength        | Tx1310nm, Rx 1490nm, CATV 1550nm.                                                                 |
| Optical interface | 1 PON interface, 1 CATV interface, SC connector                                                   |
| LAN interface     | 1x 10/100/1000Mbps auto adaptive Ethernet interfaces and<br>1x 10/100M Full/Half. RJ45 connector. |

|                     |                                                               |
|---------------------|---------------------------------------------------------------|
| Operating condition | Humidity: 10%~90% (non-condensing)                            |
| Storing condition   | Temperature :-30°C~60°C<br>Humidity :10%~90% (non-condensing) |
| Power supply        | DC 12V/1A                                                     |
| Power consumption   | ≤7W                                                           |
| Dimension           | 185 mm x 120 mm x 34 mm (L×W×H)                               |
| Net weight          | 0.29Kg                                                        |

## Electronic Parameter

| Item                | Parameters                             |
|---------------------|----------------------------------------|
| Input optical power | (-18dBm) ~(+2dBm)                      |
| Optical return loss | ≥45 dB                                 |
| Wavelength          | 1550 +/- 10nm                          |
| RF frequency        | 47~1000MHz                             |
| AGC Range           | (-14)~(-5) / (-13)~(-4) /(-7)~(+2 )dBm |
| C/N                 | ≥47dB                                  |
| CTB                 | ≥60dB                                  |

|                       |        |
|-----------------------|--------|
| RF output return loss | ≥14 dB |
|-----------------------|--------|

#### Product Overview

1GE+1FE+WiFi+CATV EPON ONU is designed for fulfilling FTTH and triple play service demand of fixed network operators or cable operators.

It meets telecom operators FTTO (office), FTTD (Desk), FTTH (Home) broadband speed, SOHO broadband access, video surveillance and other requirements. It is based on the mature stable, cost-effective Gigabit EPON technology, and has high ratio of performance to price, the technology of Layer 2/3, integrated CATV and configuration flexibility. They are highly reliable and easy to maintain, with guaranteed QoS for different service, and fully compliant with technical regulations such as IEEE802.3ah and technical requirement of EPON Equipment from China Telecom.

