zesendz PIC18F4320-I PT

HG8145V5 GPON Electronic Equipment User Manual

Model: PIC18F4320-I PT | Brand: zesendz

Product Overview

The zesendz HG8145V5 GPON Electronic Equipment is a high-performance Optical Network Unit (ONU) designed for home and small office environments. It provides robust connectivity and supports various network services. This manual provides essential information for the proper installation, operation, and maintenance of your device.



Figure 1: zesendz HG8145V5 GPON Electronic Equipment in packaging.

The image displays the HG8145V5 GPON ONU device, white in color, with its power adapter, neatly placed within its cardboard packaging. The device's rear panel is visible, featuring ventilation slots and a product label detailing model information, power rating (+12.0V:1.5A), MAC address, IP address (192.168.100.1), default username (admin), and WLAN key. The label also indicates "CLASS 1 LASER PRODUCT" and "Made in China".

Package Contents

Verify that all items are present in your package:

- 1 x HG8145V5 GPON Electronic Equipment Unit
- 1 x Power Adapter (12.0V, 1.5A)
- *(Other accessories may vary based on specific model or region)*

Setup Guide

1. Physical Connection

1. **Connect Fiber Optic Cable:** Carefully insert the fiber optic cable from your service provider into the GPON port on the device. Ensure the connector is clean and properly aligned.
2. **Connect Ethernet Cables:** Connect one end of an Ethernet cable to a LAN port on the HG8145V5 and the other end to your computer or router.
3. **Connect Power Adapter:** Plug the power adapter into the DC IN port on the device, then plug the other end into a standard electrical outlet.

2. Initial Power On

- After connecting the power, the device will automatically power on.
- Observe the indicator lights on the front panel. Refer to the "Operating" section for indicator light descriptions.

Operating Instructions

Indicator Lights

The device features several LED indicators to show its operational status:

- **POWER:** Solid Green - Device is powered on. Off - Device is off.
- **PON:** Solid Green - Optical link is established. Blinking Green - Registering with OLT. Off - No optical signal.
- **LOS:** Solid Red - Loss of optical signal. Off - Optical signal is normal.
- **LAN1-4:** Solid Green - Ethernet link established. Blinking Green - Data transmission. Off - No Ethernet link.
- **WLAN:** Solid Green - Wi-Fi is enabled. Blinking Green - Data transmission. Off - Wi-Fi is disabled.
- **TEL1-2:** (If applicable) Solid Green - Voice service active. Blinking Green - Call in progress. Off - No voice service.

Accessing the Web Interface

To configure advanced settings, access the device's web interface:

1. Ensure your computer is connected to the device via Ethernet.
2. Open a web browser and enter the default IP address:**192.168.100.1**
3. When prompted, enter the default username:**admin** and password: **admin** (as per device label).
4. You can now configure network settings, Wi-Fi, and other features.

Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the device. Do not use liquid cleaners or aerosols.
- **Ventilation:** Ensure the device is placed in a well-ventilated area to prevent overheating. Do not block the ventilation holes.
- **Firmware Updates:** Periodically check with your service provider for available firmware updates to ensure optimal performance and security.
- **Environmental Conditions:** Operate the device within the recommended temperature and humidity ranges specified in the "Specifications" section.

Troubleshooting

Problem	Possible Cause	Solution
No Power	Power adapter not connected or faulty outlet.	Ensure power adapter is securely connected to the device and a working electrical outlet.
LOS LED is Red	Loss of optical signal from service provider.	Check the fiber optic cable connection. Do not attempt to repair the fiber cable yourself. Contact your service provider.

Problem	Possible Cause	Solution
No Internet Access	Incorrect configuration, service outage, or LAN/WLAN issue.	1. Check PON and LAN/WLAN indicator lights. 2. Restart the device by unplugging and re-plugging the power adapter. 3. Verify network settings in the web interface. 4. Contact your service provider if the issue persists.
Cannot Access Web Interface	Incorrect IP address, network configuration, or browser issue.	1. Ensure your computer is connected to a LAN port on the device. 2. Verify your computer's IP settings are set to obtain an IP address automatically (DHCP). 3. Double-check the IP address (192.168.100.1) in the browser. 4. Try a different web browser.

Specifications

Feature	Detail
Model Name	HG8145V5 GPON
Item Model Number	PIC18F4320-I PT
Brand	zesendz
Power Rating	+12.0V:1.5A
Wireless Communication Standard	802.11.be
Frequency Band Class	Quad-Band
Frequency	5 GHz
Connectivity Technology	Wi-Fi
Antenna Type	Internal
Compatible Devices	Gaming Console, Personal Computer, Tablet, Smart Television, Smartphone
Country of Origin	Japan

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