



Dual band WiFi 7 Fiber Gateway

Model name: FGA228BPLT/EGA228BVBV5/EGA228BSAS

Quick Start Guide





Powering and initial cabling

Connect the gateway to the power supply. The Power indicator on the front panel will initially flash GREEN to indicate that the gateway is booting and then solid GREEN to indicate it is operational. Under normal operation, while the gateway is powering up, LED status is as follows:

- Broadband, WAN, Wi-Fi, and Voice indicators will be off.
- WAN indicator will initially be flashing GREEN, and upon acquiring a connection it will light solid GREEN.
- Wi-Fi indicator will light solid GREEN to indicate that the Wireless service is enabled. Broadband will light solid GREEN to indicate Internet connection is active.
- Voice indicator will light solid GREEN to indicate that digital phone service is active.

NOTE: During the initial setup, it may take several minutes to achieve service connectivity.

Connecting to the GPON Broadband service* Follow instructions provided by your Service Provider. If no instructions are provided, then call your Service Provider.

Connecting a Digital Phone Service

To connect the gateway to a digital phone line:

1. Connect a RJ-11 terminated phone cable to the Phone port on the back of the gateway.
2. Connect the other end of the phone cable to a phone or fax machine.

Setting up a LAN Ethernet connection

To make an Ethernet connection:

1. Connect a RJ-45 terminated Ethernet cable to one of the Ethernet ports on the back of the gateway.
2. Connect the other end of the Ethernet cable to the Ethernet port on a local computer.

Configuring your gateway

Adding a wireless device to the gateway

Use *one* of the following methods to connect your wireless device to the gateway:

- Use your phone or tablet to scan the QR code on the rear of the gateway.
- If your device is unable to scan the QR code, locate the Wi-Fi name and password information on the label on the rear of the gateway and enter this information into the Wi-Fi settings on your device.
- Alternatively, press the WPS (Wi-Fi Protected Setup) button on the rear of the gateway to enable it to discover new devices. The gateway's Wi-Fi LED will begin to flash yellow, letting you know it is searching for a device to connect. On your device, select the gateway's network and the device will connect automatically.

Once connected you can follow the steps below to access the Web Management Interface and make changes to the Wi-Fi network.

Adding a wired device to the gateway

To add a wired device to the gateway, such as a PC or laptop, connect an Ethernet cable between your device and the gateway.

Once connected follow the steps below to access the Web Management Interface and make changes to the gateway.

Accessing the Web Management Interface

1. Using a device connected to the gateway, open a web browser on your device (such as Firefox, Chrome, or Microsoft Edge) and type the following address in the address bar: <http://192.168.1.1>
The gateway's Web Management Interface will be displayed.
2. You will be prompted to enter the gateway's login credentials. The default **username** is *admin*, and the **password** is the same as the Device Access Code. These are shown on the label on the rear of the gateway.
3. Click **Log in**. You will now be able to view and make changes to the gateway settings.





Changing the Wi-Fi Network name/password

1. Once connected to the gateway's Web Management Interface on your device, select the **Wi-Fi** section.
2. Make changes to the SSID (network name) and/or password and select **Apply** when complete.

Disabling the Wi-Fi Network

1. Once connected to the gateway's Web Management Interface on your device, select the **Wi-Fi** section.
2. Disable the Wi-Fi network, and select **Apply** when complete.

NOTE: If your service provider operates a community Wi-Fi service that might include your unit, please contact them to disable this service.

Resetting the Gateway to factory defaults.

To reset the gateway to factory defaults, press and hold the **Reset** button on the rear of the gateway for more than 10 seconds. This restores the gateway's configuration to factory defaults. You may need to do this if an incorrect configuration has locked out all access.

LED descriptions

LED	Status
Front power	Off: Power off. White Solid: Gateway has booted and router mode is fully operational. Blue Normal blinking: The gateway is booting. WAN is being connected (PPPoE establishing, requesting IP address, etc.) Blue Fast blinking: System has booted. WiFi is booting. Blue/White Fast blinking: Software upgrade ongoing, reset to factory Red Solid: Power-on self-test or device malfunction. Red Solid: Extender or device onboarding failed (WPS STA failed, WPS AP failed, DPP failed). 5 seconds. Orange Solid: Operational, but wifi disabled because of end-user configuration. Orange Fast Blinking: Bootloader sending BOOTP requests; file download or upgrade is ongoing. Orange Normal Blinking: Internet connectivity test failed for gateway mode. No internet access. Green Solid: ECO mode Operational
Internet	Green Blinking slow: Trying to detect Fiber carrier. Not used when default is Ethernet. Green Blinking fast: Detected Fiber carrier and trying to synchronize and authenticate. Not used when default is Ethernet. Green On: Fiber connection is present and ready to use or the Ethernet WAN link is up. Red On: The Broadband connection is plugged in but the service is not up. It failed to synchronize or authenticate. Off: No Broadband connection is plugged in (either ETH WAN, Fiber) or modem power is off.
Wi-Fi	Green Fast Blinking: Traffic is present. Green On: No traffic. Off: WiFi is disabled or not started up Red On: WiFi malfunction (when available)
Voice	Green Solid: All phone lines are registered and active. Green Flashing: A phone line is ringing or off-hook. Solid Red: All phone lines are provisioned but not SIP registered. Off = No phone services have been provisioned, or the gateway power is off.

Note: *EGA228BSAS/EGA228BVBV5 is without GPON function.

