

Yeacomm YF325

Yeacomm YF325 4G VPN Router Instruction Manual

Brand: **Yeacomm** | Model: **YF325**

1. INTRODUCTION

The Yeacomm YF325 is an industrial-grade 4G LTE VPN router designed for robust and reliable internet connectivity in various environments. This manual provides detailed instructions for the setup, operation, and maintenance of your device. Please read this manual thoroughly before using the router.

For additional information and support, please visit the official Yeacomm website: www.yifanwireless.com

2. WHAT'S IN THE BOX

The package for your Yeacomm YF325 router includes the following items:

- YF-325 Router Unit
- WiFi Antenna
- Cellular Antennas (2 units)
- DIN-Rail Mounting Kit
- Power Adapter
- Ethernet Cable
- Screwdriver
- SIM Adapter
- User Manual

WHAT'S IN THE BOX?



YF-325



WiFi Antenna



Cellular Antennas



Din-Dail



Power Adapter



Ethernet Cable



Screwdriver



SIM Adapter



User Manual

Figure 1: Components included in the Yeacomm YF325 package: the router unit, WiFi antenna, cellular antennas, DIN-rail mounting kit, power adapter, Ethernet cable, screwdriver, SIM adapter, and user manual.

3. PRODUCT OVERVIEW

3.1. Key Features

- **Dual SIM & VPN Security:** Equipped with dual SIM card slots for seamless network failover and enhanced connectivity. Built-in VPN support ensures secure data transmission for industrial IoT applications.
- **Ruggedized Industrial Design:** Crafted with a 32-bit industrial-grade CPU and IP30-rated aluminum casing, this 4G LTE router withstands temperatures from -40°C to +85°C. Features DIN-rail mounting, ESD-protected interfaces (RS232/485/Ethernet), and 15KV surge protection.
- **Extensive 4G LTE Coverage & Multi-Protocol Support:** Supports multi-LTE bands including B1/2/B3/B4/B5/B7/B8/B28 (FDD) and B40 (TDD), HSPA+/HSUPA/HSDPA/WCDMA/UMTS 2100/1900/900/850MHz; EDGE/GPRS/GSM 1900/1800/900/850MHz. Compatible with LTE Cat4/FDD/TDD bands across North America and South America, Australia, New Zealand, Philippines, etc. (Note: Not compatible with Verizon and Sprint).
- **Reliability & Remote Management:** Advanced dual-SIM failover maintains 99.99% uptime. Supports AP

and Client Mode. Ethernet port and WiFi allow convenient and transparent connection to a cellular network. Integrates with Yeacomm Device Manager cloud platform.

3.2. Interface Layout

The Yeacomm YF325 router features a comprehensive set of ports and indicators for versatile connectivity and monitoring.



Figure 2: Rear and side view of the Yeacomm YF325 router, highlighting its various ports and indicators including WiFi Antenna, WAN/LAN Ethernet Port, LAN Ethernet Port, RS232 Port, Power Supply, LTE Antenna, Dual SIM card slots, Reset button, and LED Lights.

- **WiFi Antenna Port:** For connecting the WiFi antenna.
- **WAN/LAN Ethernet Port:** 10/100 Mbps RJ45 port, auto MDI/MDIX.
- **LAN Ethernet Port:** 10/100 Mbps RJ45 port, auto MDI/MDIX.
- **RS232 Port:** For serial communication.
- **Power Supply:** DC 5V to 36V input.
- **LTE Antenna Ports:** For connecting cellular antennas (Main and AUX).
- **Dual SIM Card Slots:** Supports standard 2FF SIM cards.
- **Reset Button:** For factory reset (press and hold for 5-10 seconds).

- **LED Indicators:** Power, WiFi, LAN, WAN/LAN Online, SIM status.

4. SETUP INSTRUCTIONS

4.1. Insert the SIM Card

Ensure the router is powered off before inserting or removing SIM cards. Use a SIM ejector tool or a thin, pointed object to press the button beside the SIM card slot. The card tray will pop out. Carefully place your standard 2FF SIM card (15x25mm) into the tray, ensuring correct orientation. Push the tray back into the slot until it clicks into place.



Figure 3: Close-up view of the dual SIM card slots on the Yeacomm YF325 router, indicating the standard 2FF SIM card size and insertion method.

4.2. Connect Antennas and Power

Attach the WiFi antenna to the port labeled 'WiFi' and the cellular LTE antennas to the ports labeled 'ANT' (Main and AUX). Connect the power adapter to the router's power input and then plug it into a compatible power outlet. The router will begin to power on, and the LED indicators will light up.



Figure 4: The Yeacomm YF325 router with its external WiFi and cellular antennas connected, and the power cable plugged in.

4.3. Initial Configuration (Web Interface)

To access the router's web interface for configuration:

1. Connect your PC to one of the router's LAN ports using an Ethernet cable. Alternatively, connect wirelessly to the default Wi-Fi network (SSID and password are typically printed on a label on the router).
2. Open a web browser (e.g., Chrome, Firefox) and enter the router's default IP address (e.g., 192.168.1.1). This IP address can be found on the router's label.
3. You will be prompted to log in. Enter the default username (admin) and password (admin).
4. Once logged in, navigate to the WAN settings or Network settings. You will need to configure the APN (Access Point Name) information for your SIM card. The router may attempt to auto-detect the APN, but manual entry might be required. If you do not know the APN, consult your mobile network provider (ISP) or search online for the correct settings.
5. Save your settings and check the network status via the

Related Documents - YF325

Yeacomm
Yeacomm Smart 5G ODU
NR610
 Outdoor 5G NR, Dual SIM, 5G SA/NSA

Overview
 The NR610 is a high-speed 5G NR outdoor CPE, featuring integrated 5G NR and LTE capabilities. It is designed for high-speed internet, IP67 rating, dual SIM support, and robust connectivity for residential, business, and enterprise users.

Features

- 5G NR Support:** Supports 5G NR SA/NSA, providing high-speed internet access.
- IP67 Rating:** High water and dust resistance, ensuring reliable operation in outdoor environments.
- Dual SIM:** Supports dual SIM cards, allowing for flexible network selection.
- 5G NR Support:** Supports 5G NR SA/NSA, providing high-speed internet access.
- IP67 Rating:** High water and dust resistance, ensuring reliable operation in outdoor environments.

[Yeacomm NR610 Smart 5G ODU: High-Speed Outdoor 5G CPE](#)

Detailed specifications and features of the Yeacomm NR610, a Sub-6G 5G NR outdoor CPE offering high-speed internet, IP67 rating, dual SIM support, and robust connectivity for residential, business, and enterprise users.

Yifan
Industrial 4G Router
YF325

Introduction
 The YF325 is a rugged industrial 4G LTE router designed for M2M/IoT applications. It features a wide operating temperature range, high reliability, and robust connectivity options. The device is suitable for various industrial environments, including manufacturing, logistics, and energy sectors.

Key Features:

- Wide Temperature Range:** Operates in temperatures from -40°C to 70°C.
- High Reliability:** Mean Time Between Failures (MTBF) up to 100,000 hours.
- Robust Connectivity:** Supports 4G LTE, 3G, and 2G networks.
- Multiple SIM Slots:** Supports up to 4 SIM cards for flexible network selection.
- Advanced Security:** Includes VPN, firewall, and intrusion detection capabilities.
- Industrial-Grade Design:** Rugged housing for protection against dust, moisture, and vibration.

[Yifan YF325 Industrial 4G LTE Router - Specifications and Overview](#)

Detailed specifications, features, and ordering information for the Yifan YF325 Industrial 4G LTE Router, designed for M2M/IoT applications with robust connectivity and industrial-grade reliability.