



ORDER CODE	COMM. CODE
RHW61	F-R100FL-485



APPLICATIONS
Industrial/Professional
Remote monitoring
Monitoring

CERTIFICATIONS
CE Marking
RED
RoHS

PACKAGE CONTENTS
RHW61 - F-R100-FL-485
Power supply unit
Ethernet Cable
Serial Cable
4G antennas
Wi-Fi antenna
Interface and power connectors
DIN-rail mounting kit

Intermediate 4G router for industrial and Wi-Fi applications

- 4G Module
- 4 LAN ports and 1 WAN port
- 2.4 GHz Wi-Fi
- 1 x RS485
- VPN support
- ModBUS RTU/TCP support
- MQTT support
- Web-based configuration
- Remote management via Intellienergy RMS
- 2 digital inputs, 1 digital output, 1 relay output

RHW61-F-R100-FL-485 is a 4G router that uses a high-performance 32-bit communication processor. This device has 1 RS485, 4 LAN and 1 x 10/100 Mbps Ethernet WAN ports and a 2.4 GHz Wi-Fi interface, allowing simultaneous connection of serial devices, Ethernet devices and Wi-Fi devices. The 4G and Wireless antennas with SMA connectors are removable to allow the use of different, higher-gain or outdoor antennas. The metal case, the connectors and the drawer SIM holder have been carefully designed for maximum flexibility and functionality. In addition to traditional functions, it supports the most popular VPN security protocols and can also send data to MQTT servers. The router is equipped with a digital input and output and a relay output. The router can be fully managed via the Intellienergy Remote Management System (RMS) cloud platform, designed to conveniently monitor and manage Intellienergy Tech routers. RMS lets you securely collect information on the status of devices and change their configuration, even if the devices do not have public IP addresses.

TECHNICAL CHARACTERISTICS

MODULE FREQUENCY	Supports FDD LTE: Band 1/3, Band 2/4/5/13/17/25 (optional) Supports CDMA 1XRTT/EVDO 800/1900MHz Supports the entire network (optional): TDD-LTE, FDD-LTE, EVDO, WCDMA, TD-SCDMA, CDMA1X, GPRS/EDGE
SPEED	LTE: 100 Mbps (DL), 50 Mbps (UL)
INTERFACES	4 x 10/100 BT LAN ports 1 x 10/100 WAN port 2.4 GHz Wi-Fi Standard IEEE802.11b/g/n Security: WEP, WPA, WPA2 Number of ports: 1xRS485 EDS protection: ±15KV Baud Rate: 2400 to 115200 bps 1 SIM (3V & 1.8V) Serial interface, I/O interface, power connectors
DIGITAL I/O port	Input High Level: 5 - 30 VDC; Input Low Level: 0-3 C; Output Load Current: <50mA @ 30 VDC; Relay Load: 1A 250 VAC/30 VDC
ANTENNAS	2xOmnidirectional Quad-band 4G/3G/2G antennas 1xOmnidirectional Wi-Fi antenna
POWER SUPPLY	Input: +5 VDC to 36 VDC / 1.5A min
TEMPERATURE	from -35°C to +75°C
OTHER	Dimensions: 135 x 116 x 45 mm (not including antennas and assembly parts); Weight: 520 g

