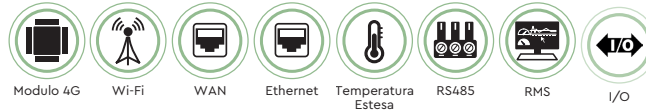




ORDER CODE	COMM. CODE
RHW57	RF9006-IOM



4G routers for Industrial and Wi-Fi applications

- High-speed 4G CAT 4 module (up to 150Mbps)
- 2.4 GHz Wi-Fi
- VPN support
- ModBUS RTU support
- MQTT support
- Web-based configuration
- Remote management via the Intellienergy Remote Management System
- Digital inputs and outputs

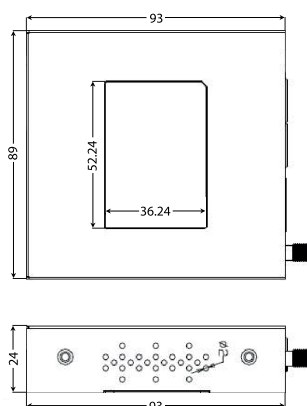
APPLICATIONS
Industrial/Professional
Remote monitoring
Monitoring

CERTIFICATIONS
CE Marking
RED
RoHS

PACKAGE CONTENTS
RHW57-RF9006-IOM
Power supply unit
Ethernet Cable
Serial Cable
4G antenna with cable
Wi-Fi antenna
DIN-rail mounting kit

The RHW57-RF9006-IOM is a compactly designed router with an built-in 4G/LTE module, specially designed for applications in the industrial and energy markets to connect switchboards, control panels and PLCs. All features and components have been optimised for wide use, from the extended temperature range to the power supply and power management, to provide a positive response to different installation requirements. The 4G/3G/2G antenna is removable on an SMA connector to allow the use of different, higher-gain or outdoor antennas. The Wi-Fi antenna is also on an SMA connector in order to improve coverage in applications where the installation is inside metal cabinets. The metal case, the frontal connectors and the drawer SIM holder have been carefully designed for maximum flexibility and functionality. RHW57-RF9006-IOM is a technical router that, in addition to traditional functions, supports the most popular VPN security protocols. The RS485 serial port for connecting PLCs with ModBUS RTU and TCP protocol to servers completes the equipment. The possibility of sending data to MQTT servers is also available. The router is also equipped with a digital input and output; it 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	Standard: 4G/3G/2G LTE FDD: B1/B3/B5/B7/B8/B20/B28 LTE TDD: B38/B40 3G: B1/B5/B8 2G: B1/B8
SPEED	4G: 150 Mbps (DL), 50Mbps (UL)
INTERFACES	1 x 10/100BT LAN port 1 x 10/100BT LAN/WAN port 2.4 GHz Wi-Fi Standard IEEE802.11b/g/n Security: WEP, WPA, WPA2 Serial Port Number of ports: 1xRS-485 (RHW57) EDS protection: ±15KV Baud Rate: 300bps to 115200 RS-485: Data+ (A), Data- (B), GND Screw Connector 1 SIM (3V & 1.8V)
DIGITAL I/O port	Input High Level: 5 – 30 VDC, Input Low Level: 0–3 VDC, Output Load Current: <50mA @ 30 VDC
ANTENNAS	Omnidirectional Quad-band 4G/3G/2G antenna SMA Main connector Omnidirectional Wi-Fi antenna SMA-R connector
POWER SUPPLY	Input: +5 VDC to 36 VDC / 1.5A min
TEMPERATURE	from -35°C to +75°C
OTHER	Dimensions: 89 x 93 x 24 mm Weight: 250 g