



intellienergy[®]tech

CATALOGUE - edition 2025

COMMUNICATION

Smart Energy



The aim of Smart Energy is to make the best use of energy sources by favouring renewable ones and reducing harmful emissions: from technologies applied to smart cities, in the industrial and tertiary sectors, thanks also to the development of dedicated software and hardware.

In particular, Smart Energy is a new way of approaching man and energy sources, with new ecosystems using hardware devices that are connected locally and to the Cloud, where artificial intelligence algorithms adapt buildings and production units to dynamic needs. The development of intelligent systems makes it possible to activate predictive maintenance logics in order to prevent failures and keep plants efficient at all times.

EDGE computers, actuators, valves and smart sensors manage consumption and network renewable sources for city use.

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05 COMMUNICATION

In our catalogue dedicated to networking solutions, we have sought to meet the connection, management and monitoring needs for networks in industrial environments and smart buildings.

In this selection, you will find a complete range of 4G modems and routers and industrial switches, designed to offer superior performance, flexibility and high reliability in complex and mission-critical scenarios.

Our 4G modems and routers are ideal for remote control, industrial automation, and smart building applications, where it is essential to ensure stable and secure connectivity even in remote or difficult-to-wire environments. Thanks to their compatibility with Remote Management System (RMS) technologies, our routers can be managed and monitored in real time, allowing for centralised control and remote predictive maintenance. Whether managing sensors, actuators or IoT devices, our range of 4G routers ensures excellent performance and continuous communication, even in the presence of mobile networks.

Industrial switches offer versatility in network topologies, adapting perfectly to smart building and industrial automation projects.



RELIABILITY



STRENGTH



EFFICIENCY

With advanced features for managing complex networks, these switches can be used to optimise connectivity between critical devices, such as video surveillance systems, smart lighting, temperature sensors and other IoT devices.

Designed to operate in harsh environments, the switches are robust, reliable and easily scalable, supporting various network configurations and offering high availability.

Our product range spans from entry-level solutions, ideal for those seeking easy-to-implement and cost-effective devices, to advanced

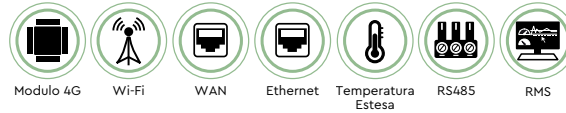
solutions designed for professionals and businesses requiring high performance, centralised management and advanced security.

With our range, your remote control system, smart building or industrial network will always be connected, monitored and secure, with simplified management through RMS platforms.

Discover the power and flexibility of our networking solutions, designed to optimise your industrial and smart building infrastructures.



ORDER CODE	COMM. CODE
RHW43	F3X26Q-RP-232
RHW44	F3X26Q-RP-485



APPLICATIONS
Industrial/Professional
Remote monitoring
Monitoring

CERTIFICATIONS
CE Marking
RED
RoHS

PACKAGE CONTENTS
RHW44-F3X26Q-RP
Power supply unit
Ethernet Cable
Serial Cable
4G antenna with cable
Wi-Fi antenna
DIN-rail mounting kit

4G routers for Industrial and Wi-Fi applications

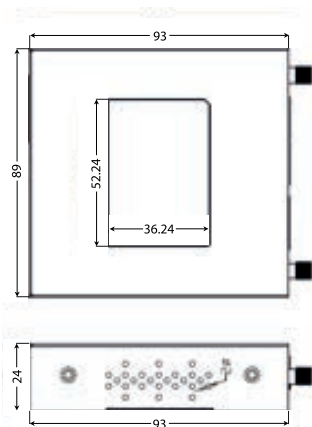
- High-speed 4G CAT 4 module (up to 150Mbps)
- 2.4 GHz Wi-Fi
- VPN support
- ModBUS RTU support
- MQTT support
- Web-based configuration
- Remote management via the Intellienergy tech Remote Management System

The RHW44-F3X26Q-RP 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.

RHW44-F3X26Q-RP 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 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.

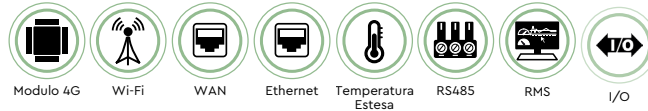
TECHNICAL CHARACTERISTICS

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 × 10/100BT LAN port 1 × 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-232 (RHW43), 1xRS-485 (RHW44) EDS protection: ±15KV Baud Rate: 300bps to 115200 RS-485: Data+ (A), Data- (B), GND Screw Connector 1 SIM (3V & 1.8V)
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 × 93 × 24 mm Weight: 250 g





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

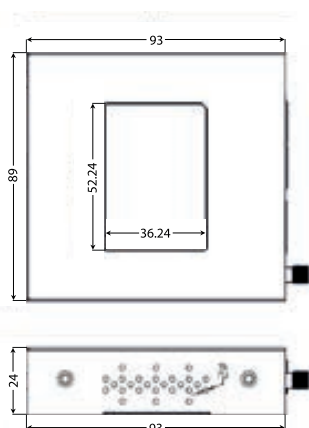
APPLICATIONS
Industrial/Professional
Remote monitoring
Monitoring

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



ORDER CODE	COMM. CODE
RHW59	ECR-4G/10



APPLICATIONS
Industrial/Professional
Remote monitoring
Monitoring
Application development

CERTIFICATIONS
CE Marking
RED
RoHS

PACKAGE CONTENTS
RHW59
Power supply unit
Ethernet Cable
Serial Cable
4G antenna with cable
Wi-Fi antenna
Interface and power connectors
DIN-rail mounting kit

4G routers with advanced features for industrial and Wi-Fi applications

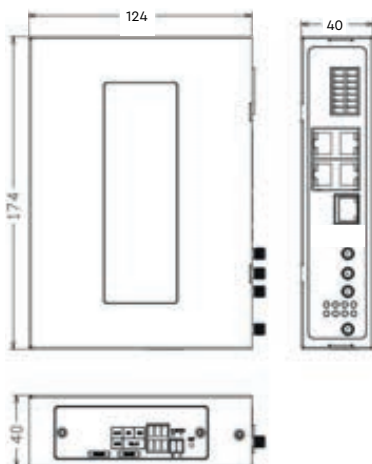
- High-speed 4G module
- 2.4GHz 5.8 GHz Wi-Fi
- 1 x RS232 and 5 x RS485
- VPN support
- ModBUS RTU/TCP support
- MQTT support
- Web-based configuration
- Remote management via Intellienergy RMS
- 2 Digital Inputs, 1 Digital Output, 1 Relay Output
- Secondary SDK Development Kit (Python)
- Integrated 8 GB eMMC memory

RHW59 is an Edge Computing router that utilises a high-performance 32-bit communication processor and provides a Python development environment. This device has 1 RS232, 5 RS485, 4 Fast Ethernet LAN, 1 Fast Ethernet WAN and a Wi-Fi interface (2.4/5.8 GHz), 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 interfaces 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 offers the possibility to develop and use your own applications written in Python language. 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.

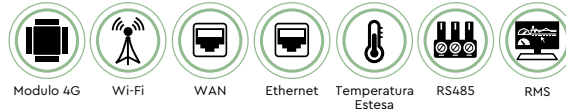
TECHNICAL CHARACTERISTICS

MODULE FREQUENCY	Standard: 4G/3G/2G LTE:B1/B2/B3/B4(66)/B5(18/19/26)/B7/B8/B12(17)/B13/B14/B20/B25/B26/B28/B29/B30/B38/B39/B40/B41/B42/B43/B46/B48/B71
SPEED	LTE cat. 20: 2 Gbps (DL), 150 Mbps (UL)
INTERFACES	4 x 10/100/1000BT LAN ports 1 WAN 10/100/100 BT port 2.4GHz , 5.8 GHz Wi-Fi Standard IEEE802.11b/g/n/ac Security: WEP, WPA, WPA2 Number of ports: 1xRS232, 5xRS-485 (one shared with S232 interface) 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	<u>Input High Level:</u> 5 - 30 VDC; <u>Input Low Level:</u> 0-3 VDC; <u>Output Load Current:</u> <50mA @ 30 VDC; <u>Relay Load:</u> 1A 250 VAC/30 VDC
ANTENNAS	2xOmnidirectional Quad-band 4G/3G/2G antennas 2xOmnidirectional Wi-Fi antennas
POWER SUPPLY	Input: +9 VDC to 36 VDC / 1.5A min
TEMPERATURE	from -35°C to +75°C
OTHER	Dimensions: 174 x 124 x 40 mm (not including antennas and DIN-rail); Weight: 700 g





ORDER CODE	COMM. CODE
RHW60	F3X36Q-485



4G routers for Industrial and Wi-Fi applications

- High-speed 4G CAT 4 module (up to 150Mbps)
- 2.4 GHz Wi-Fi
- 1 WAN port and 4 × 10/100 LAN ports
- VPN support
- ModBUS RTU support
- MQTT support
- Web-based configuration
- Remote management via the Intellienergy Remote Management System

APPLICATIONS
Industrial/Professional
Remote monitoring
Monitoring

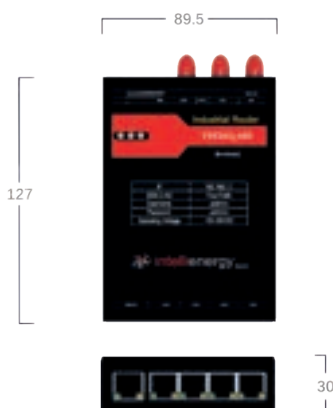
CERTIFICATIONS
CE Marking
RED
RoHS

PACKAGE CONTENTS
RHW60 – F3X36Q-485
Power supply unit
Ethernet Cable
Serial Cable
4G antenna with cable
Wi-Fi antenna

The **RHW60-F3X36Q-485** 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. It has the same technical characteristics as the RHW44-F3X26Q-RP-485 model but natively features 1 WAN port and 4 × 10/100 Mbps LAN ports. The 4G/3G/2G antennas are removable on SMA connectors to allow the use of different antennas with 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. RHW60-F3X36Q-485 is an industrial 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 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 × 10/100BT WAN port 4 × 10/100BT LAN ports 2.4 GHz Wi-Fi Standard IEEE802.11 b/g/n Security: WEP, WPA, WPA2 Serial Port Number of ports: 1xRS485 EDS protection: ±15KV Baud Rate: 2400bps to 115200 Screw Connector 1 SIM (3V & 1.8V)
ANTENNAS	2 Omnidirectional Quad-band 4G/3G/2G Antennas Omnidirectional Wi-Fi antenna
POWER SUPPLY	Input: +5 VDC to 36 VDC / 1.5A min
TEMPERATURE	from -35°C to +75°C
OTHER	Dimensions: 127 × 89.5 × 30 mm (not including antennas and supports) Weight: 345 g





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

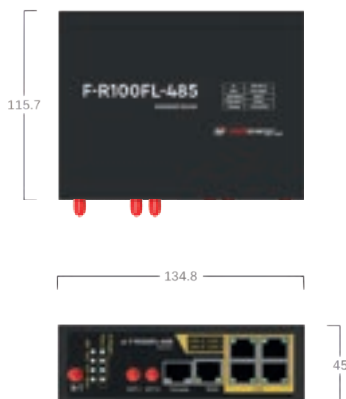
Intermediate 4G router for industrial and Wi-Fi applications

- 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





ORDER CODE	COMM. CODE
RHW63	FNS100-08-AGB-S

Industrial

8 Ethernet
10/100/
/1000

Temperatura
Estesa

DIN-rail and
wall-mount-
ing instal-
lation

Low energy
consump-
tion



Unmanaged Entry Level Industrial Ethernet Switch

- 8 Gigabit Ethernet ports
- IP40, metal housing
- Support for DIN-rail and wall mounting
- Low power consumption and no fans

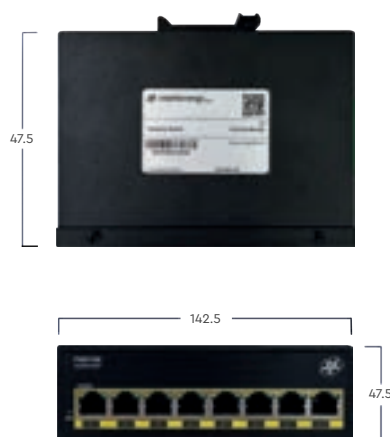
FNS100-08-AGB-S is an unmanaged industrial Ethernet switch that complies with FCC, CE, and RoHS standards. Supports 8 Gigabit electrical ports; this series of switches adopts a low-power, fanless design to ensure no noise interference. At the same time, it supports an operating temperature of -40 to 70°C and offers good electromagnetic compatibility (EMC) performance, guaranteeing stable operation in harsh industrial environments and creating fast and stable terminal network interfaces for industrial applications such as factory automation, intelligent transport and video surveillance. It offers a secure, reliable solution for network access.

APPLICATIONS
Industrial/Professional
Monitoring

PACKAGE CONTENTS
RHW63 Switch
Power supply unit (upon request)
Power connector
DIN-rail mounting kit

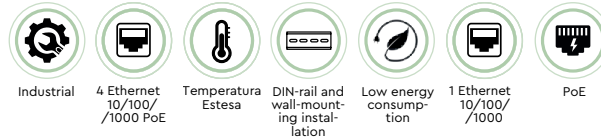
TECHNICAL CHARACTERISTICS

STANDARD ETHERNET	IEEE802.3 10BASE-T; IEEE802.3i 10Base-T; IEEE802.3u; 100Base-TX/FX; IEEE802.3ab 1000Base-T; IEEE802.3z 1000Base-X; IEEE802.3x
INTERFACES	8x 10/100/1000M Ethernet Automatic detection 10/100/1000M, full duplex/half duplex, adaptive MDI/MDI-X
POWER SUPPLY	Input: +12 VDC to 48 VDC Phoenix terminal block
TEMPERATURE	from -40°C to +70°C
OTHER	Supports dual power supply redundancy Supports integrated overcurrent protection Supports reverse connection protection with 4.0 A IP40 Dimensions: 142.5 × 103.5 × 47.5 mm Weight: 640 g





ORDER CODE	COMM. CODE
RHW64	FNS100-05-4P-AGB-S



Unmanaged Industrial Ethernet Switch with 4 PoE ports

- 4 Gigabit Ethernet ports
- 1 Gigabit Ethernet uplink port
- IP40, metal housing, support for DIN-rail and wall mounting
- Low power consumption and no fans

FNS100-05-4P-AGB-S is an unmanaged industrial Ethernet switch that complies with FCC, CE, and RoHS standards. It has 5 Gigabit ports; 4 of these are PoE ports with a maximum power of 15.4 W per port (IEEE 802.3 af).

This series of switches adopts a low-power, fanless design to ensure no noise interference. At the same time, it supports an operating temperature of -40 to 70°C and offers good electromagnetic compatibility (EMC) performance, guaranteeing stable operation in harsh industrial environments and creating fast and stable terminal network interfaces for industrial applications such as factory automation, intelligent transport and video surveillance. It offers a secure, reliable solution for network access.

APPLICATIONS

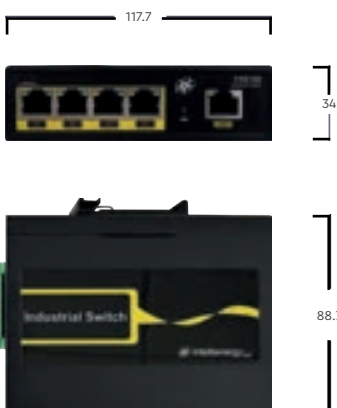
Industrial/Professional
Monitoring

PACKAGE CONTENTS

RHW64 Switch
Power supply unit (upon request)
Power connector
DIN-rail mounting kit

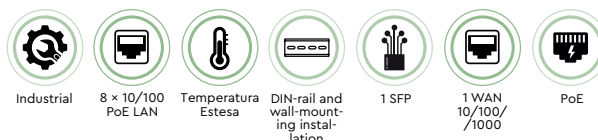
TECHNICAL CHARACTERISTICS

STANDARD ETHERNET	IEEE802.3 10BASE-T; IEEE802.3i 10Base-T; IEEE802.3u; 100Base-TX/FX; IEEE802.3ab 1000Base-T; IEEE802.3z 1000Base-X; IEEE802.3x, IEEE802.3af/ IEEE802.3at
INTERFACES	4 × 10/100/1000M Ethernet PoE with maximum power per port of 15.4 W (IEEE 802.3 af), 30 W (IEEE 802.3 at); 1 × 10/100/1000 Ethernet Uplink Automatic detection 10/100/1000M, full duplex/half duplex, adaptive MDI/MDI-X
POWER SUPPLY	Input: 48-57 VDC (Dual power redundancy backup) Phoenix terminal block
TEMPERATURE	from -40°C to +70°C
OTHER	Supports dual power supply redundancy Supports integrated overcurrent protection Supports reverse connection protection with 4.0 A IP40 Dimensions: 117.7 × 88.7 × 34 mm Weight: 360 g





ORDER CODE	COMM. CODE
RHW65	F-SW1010-8P-SF120W



Unmanaged Industrial Ethernet PoE Fiber Switch with 8 adaptive 10/100M Ethernet ports

- 1 x 10/100/1000M Ethernet port
- 1 SFP 1000 Base slot
- 8 x 10/100 ports with PoE support max 120W
- Supports IEEE 802.3/802.3U/802.3x flow control
- IP40, metal housing, support for DIN-rail mounting

F-SW1010-8P-SF120W is an unmanaged industrial Ethernet switch. The product has 8 x 10/100M PoE Ethernet LAN ports, 1 x 10/100/1000 Base-T Ethernet port and 1 x 1000 Base SFP slot. The F-SW1010-8P-SF120W can be used to connect multiple servers, hubs, repeaters and devices, providing long-distance data transmission and power supply (PoE version).

F-SW1010-8P-SF120W is widely used in the M2M industry of the IoT industrial chain, covering sectors such as smart grids, smart transport, finance, supply chain automation, industrial automation, smart buildings, public safety, environmental protection, meteorology, digital medicine, telemetry, as well as in areas such as agriculture, forestry, water management, coal and petrochemicals.

APPLICATIONS
Industrial/Professional
Monitoring

PACKAGE CONTENTS
RHW65 Switch
Power supply unit (upon request)
Power connector
DIN-rail mounting kit

CERTIFICATIONS
CE Marking
RED

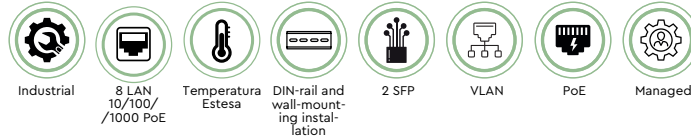
TECHNICAL CHARACTERISTICS

STANDARD ETHERNET	IEEE802.3 (10 Base-T), IEEE802.3u (100 Base-TX & 100 Base - FX), IEEE802.3z (1000 Base- TX & 1000 Base-X), IEEE802.3x (flow control)
TRANSMISSION DISTANCE	Ethernet cable: 100m (Standard CAT5/CAT5e), 250m (CAT6) Fiber: Supports single-mode and multimode fiber optics, multimode: 550M; single mode: 20/40/60/80/100KM
INTERFACES	1 x SFP (LC, single/double optional) Speed: 1000Base-X 1 x 10/100/1000M Ethernet 8 x adaptive 10/100M Ethernet with support for auto MDI/MDI-X, PoE max 120W
POWER SUPPLY	Input from +40 VDC to 60VDC Overcurrent and reverse polarity protection
TEMPERATURE	from -40°C to +75°C
OTHER	IP40 Dimensions: 135 x 116 x 45 mm Weight: 610 g





ORDER CODE	COMM. CODE
RHW66	FNS200-28-AGP-8P-SFP-S



Managed Industrial Ethernet PoE Fiber Switch with 8 Gigabit ports

- 8 × 10/100/1000M Ethernet ports with PoE support
- 2 SFP 1000 Base slots
- Supports IEEE 802.3/802.3U/802.3x flow control
- Supports QoS (IEEE 802.1p/1Q) and TOS/Diff Serv to increase network stability
- Supports STP/RSTP/ERPS and SNMPv1/v2/v3 to ensure network security
- Supports security management: ACL, 802.1X
- Supports IGMP Snooping
- Supports port-based VLANs, IEEE 802.1Q VLANs, for easy network planning
- Management function: supports WEB, CLI, and SNMP management
- Supports port mirroring, interface status monitoring, log management
- Supports security management: ACL, 802.1X and IGMP Snooping
- IP40, metal housing, support for DIN-rail and wall mounting

APPLICATIONS
Industrial/Professional
Monitoring

PACKAGE CONTENTS
RHW66 Switch
Power supply unit (upon request)
Power connector
DIN-rail mounting kit

FNS200-28-AGB-8P-SFP-S is a managed industrial Ethernet switch that complies with FCC, CE, and RoHS standards. Supports 2 Gigabit optical ports and 8 Gigabit electrical ports; supports the Layer 2 Ethernet protocol required by the industrial site to ensure the stability of the communication network. This series of switches adopts a low-power, fanless design to ensure no noise interference. At the same time, it supports an operating temperature of -40 to 70°C and offers good electromagnetic compatibility (EMC) performance, guaranteeing stable operation in harsh industrial environments and creating fast and stable terminal network interfaces for industrial applications such as factory automation, intelligent transport and video surveillance. It offers a secure, reliable solution for network access.

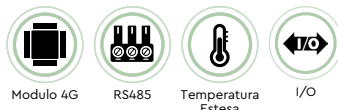
TECHNICAL CHARACTERISTICS

STANDARD ETHERNET	IEEE802.3-10BaseT, IEEE802.3u-100BaseTX/100Base-FX, IEEE802.3x-flow control, IEEE802.3z-1000BaseLX, IEEE802.3ab-1000BaseTX, IEEE802.1ab logical link discovery protocol, IEEE802.1D-Spanning Tree Protocol, IEEE802.1w-Rapid Spanning Tree Protocol, IEEE802.1Q-VLAN Tagging, IEEE802.1p-Service class, IEEE802.1X-Port-based network access control, etc.
INTERFACES	2 × 1000BaseFX SFP ports (SFP slot), supports 100 megabyte Supports single-mode/multimode fiber optics Multimode optical fiber: 550M Single-mode optical fiber: 20/40/60/80/100KM 8 × 10/100/1000M Ethernet PoE Standard IEEE802.3af/IEEE802.3at with maximum power per port 15.4 W (IEEE 802.3 af)
POWER SUPPLY	Input +48 VDC to 57 VDC (Dual power redundancy backup) Supports dual power supply redundancy Supports integrated overcurrent protection Supports reverse connection protection with 4.0 A
OTHER FEATURES	Supports management via Console, Telnet, SSH, and WEB Supports SNMP v1/v2c/v3 Supports STP/RSTP/MSTP Supports ERPS, IGMP snooping,MLD snooping,VLAN Supports flow control, port speed limit, and port trunking Supports IPv6 management
TEMPERATURE	from -40°C to +75°C
OTHER	IP40 Dimensions: 144x 124 × 47.5 mm Weight: 820 g





ORDER CODE	COMM. CODE
IME11	IMDE-4G



4G Industrial modem

- High-speed 4G module
- 2x RS232 and 1 x RS485
- TCP server/client support
- TCP/IP integrated protocol stack
- Low energy consumption
- 3xDI/DO and 2xADC (customisable DI/DO for pulse counting)

APPLICATIONS
Industrial/Professional
Monitoring

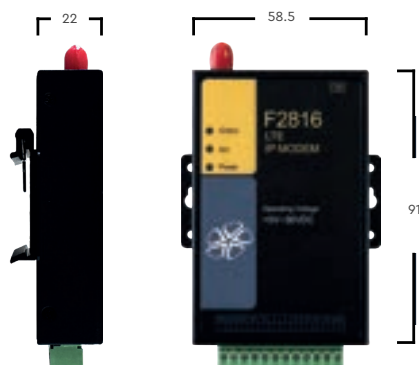
PACKAGE CONTENTS
IME11 - F2816V4
Power supply unit
Serial Cable
4G antenna
Connector

IME11-IMDE-4G is a high-performance industrial 4G data modem with a metal case and IP30 protection. It is a low-power modem equipped with RS232 and RS485 interfaces, which allow the device to be connected easily and transparently to a cellular network. It has 3 DI/DO and 2 ADC (customisable DI/DO for pulse counting). It is an industrial Plug&Play modem, easy to configure and supports TTL, ADC customization and serial upgrade. Integrated standard TCP/IP protocol stack, supports TCP server and supports multiple TCP client connections. Supports transparent data transmission and multiple online activation modes are possible, including SMS, ring and data. Supports automatic recovery mechanism, including online detection, automatic redial when offline to keep it always online.

Widely used in M2M fields such as industrial automation, power grid, telemetry, POS, water supply, environmental protection, postal service, weather, etc.

TECHNICAL CHARACTERISTICS

MODULE FREQUENCY	LTE FDD 2600/2100/1800/900/800MHz, 700/1700/2100MHz(optional) DC-HSPA+/HSPA+/HSDPA/HSUPA/UMTS 850/900/2100MHz, 800/850/1900/2100MHz (optional) EDGE/GPRS/GSM 850/900/1800/1900MHz GPRS CLASS 10 GPRS CLASS 12
SPEED	Number of Ports: 2xRS232, 1xRS-485 (or RS422) EDS protection: ±15KV Baud Rate: 1200 at 230400 bps Data bits: 5, 6, 7, 8 Stop bits: 1, 1.5, 2 Control: None, Even, Odd 1 SIM (3V & 1.8V)
I/O	3xDI/DO e 2xADC (customisable DI/DO for pulse counting)
ANTENNA	Omnidirectional Quad-band 4G/3G/2G antenna
POWER SUPPLY	Input: +5 VDC to 36 VDC
TEMPERATURE	from -35°C to +75°C
OTHER	Dimensions: 91 × 58.5 × 22 mm (not including antenna) Weight: 205 g





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