

# Remote Control 4G LTE Modem



## 4G USB DIN

- **4G USB Modem for Industrial applications**
- **4G LTE** and 3G module very high speed data transmission (up to 100Mbps)
- LTE FDD speed: **100Mbps Download / 50Mbps Upload**@Bandwidth 20M (CAT3)
- 3G speed: 42Mbps Download / 5.76 Upload
- LTE (FDD) B1/B11/B18/B19/B21
- Dual-band DC-HSPA+/HSPA+/HSPA/UMTS 2100/800 MHz
- Innovative solution for **Security & Telemetry Services**
- **USB 2.0 Serial port**
- Compact design with **DIN-rail mounting kit**
- 32 and 64 bit Windows drivers
- Industrial range power supply from 12 to 24 VDC
- Power supply protection against polarity inversion



## DESCRIPTION

4G USB DIN is a modem that belongs to the **new generation of industrial devices** and comes from our long experience in the transfer of data.

It's a USB modem with **4G LTE technology** that integrates the UMTS/EDGE/GPRS standards to be always connected.

The very high connection speed makes it the ideal product for any application where high performances are requested.

The industrial applications are the most suitable for the remote control and the monitoring of smart grid, gas pipeline control, remote surveillance, disaster recovery systems, etc.



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4G USB DIN uses a powerful **4G/HSPA engine** with a maximum speed of **100 Mbps in download (42 Mbps under 3G)**. Even the **upload speed up to 50 Mbps** allows the transfer of a great quantity of data, typical of **video systems**.

The data **connection is performed through the USB port** to simplify the data transfer from your industrial PLC or from the PC.

4G USB DIN is **easy to use** and it is supplied with **64 and 32 bit Windows drivers**.

In its standard version 4G USB DIN is supplied with an **external antenna with 3 meters cable** that can be positioned for a better signal.

It is possible to remove the supplied antenna and to substitute it with another one useful for the diversity function in case of "mobile" applications.

A third GPS antenna (optional) can be installed for applications that require the location.



Some fields of applications

## TECHNICAL FEATURES

### LTE/4G

- Bands: B1/B2/B3/B5/B7/B8/B20 (LTE FDD)

### 3G

- Quad-Band 2100/1900/900/850 MHz

### 2G

- Quad-Band 980/900/1800/1900 MHz
- GSM module: GPRS/GSM Class 10

### SPEED

- LTE FDD: DL 100Mbps/UL 50Mbps@Bandwidth 20M (CAT3)
- DC-HSPA+: DL 42Mbps/UL 5.76Mbps
- WCDMA PS: DL 384Kbps/UL 384Kbps
- GPRS/EDGE: Multi-slot Class 12

### OUTPUT POWER

- Class 4 (2W) in GSM at 850/900MHz
- Class 1 (1W) in DCS at 1900/1800MHz
- Plug-in SIM card (1,8V - 3V compatible)

### INTERFACE

- USB 2.0 Data Port

### POWER SUPPLY

- External adapter
- Input: from +12 VDC to 24 VDC (-15% + 20%) / 1A

### 4G/3G/GSM ANTENNA

- Quad-Band Omnidirectional Antenna included
- SMA Connector
- Impedance: 50 ohm
- AT Commands via USB Port
- Dimensions: 115 x 99 x 22,5 mm
- Operating Temperature: from -20°C to +75°C
- CE Mark and Rohs compliant

*Note: Preliminary characteristics  
subject to change*

