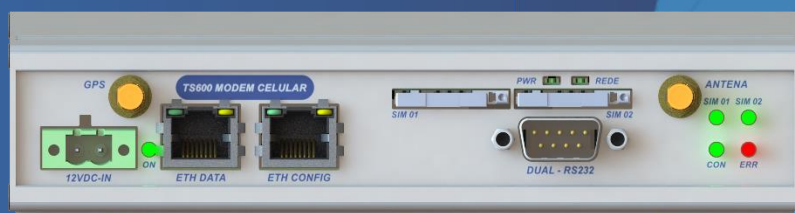


TS600 CELLULAR MODEM 2G/3G/LTE (4G)



Tecsys' TS600 Cellular Modem is a communication device with the innovation of 4G LTE Cat-4 and fallback technology for 3G and 2G systems, with support for bands B1, B3, B5, B7, B8 and B28.

In addition to its innovation in the communication layer, TS600 possesses a dual-processor architecture, guaranteeing stability and the performance necessary for a professional use. The main application (software) operates on an ARM® Cortex™ – A7 (core processor), with 512MB RAM and expandable flash memory, while connectivity uses a second ARM® Cortex™ – A7 (RF core) processor dedicated just for the management of the connections to radio base stations and SIM cards control.

The TS600 has a set of interfaces that make the product extremely flexible for several applications. Two 10/100 Ethernet interfaces (IEEE 802.3) are available, one of them for access to the complete configuration of the device via intuitive graphic interface (web interface), and the other which allows IP connections for data input and output. Dual RS-232 interface allowing serial communication with devices with this kind of connection.

With a double slot for the use of two SIM cards, the TS600 guarantees the stability of operation, with fast and automatic switching between the operators, in addition to having a built-in GPS module, necessary for applications that use geolocation.

TS600 modem versatility includes a range of applications such as employment in SCADA systems, solutions for telemetry, remote sensing and other M2M applications that need broadband connectivity. In addition to ensuring connection stability, its architecture enables packet routing through Port Forwarding (DNAT and SNAT).

The Tecsys TS600 modem is a product developed to change the concept of connectivity, gathering technology with ease configuration, reliable performance, and stability.

TECHNICAL SPECIFICATIONS

TS600 Cellular Modem 2G/3G/LTE (4G)

GENERAL FEATURES

Manufacturing Standards: IPC-A-610; IPC/JEDEC J-STD-020; IPC/JEDEC J-STD-033; IPC-7711/7721; IPC 7095

Type: Indoor Installation

Altitude: up to 4500m

Environment: Industrial

Corrosion Index: High

Degree of Protection: IP55

Relative Humidity: 5% to 95% non-condensed

Operational Temperature: -15°C to +70°C

Included Accessory for DIN Rail Mounting

Power Supply: +12 to +30 Vdc

Consumption: 2.6W

Configuration via Software and Embedded Web

LED Indicators: Status / Port Status / Signal Quality / Internal Tx and Rx

NETWORK & INTERFACE

Wireless Technology: 500 MHz – 1800 MHz

Frequency Bands – LTE: B1, B3, B5, B7, B8 and B28; Fallback 2G, 3G:

2G – 900 MHz and 1800 MHz

3G – 850 MHz, 900 MHz and 2100 MHz

LTE – 700 MHz, 850 MHz, 900 MHz, 1800 MHz, 2100 MHz and 2600 MHz

Communication Ports:

2x Serial RS232

2x Ethernet 10/100Base TX

Communication Functions:

Ethernet Router – GPRS

Network Address Translator NAT (GPRS – Ethernet)

VPN Support (Client – Server)

Fixed GPRS IP Support

IP GPRS Dynamic Support / DynDns

SIM Card Slot (Adapter for: Mini SIM, Micro SIM or Nano SIM)

Antenna Features:

External Antenna with Coaxial Cable and SMA Connector

Magnetic Mount

Frequency Range:

TX: 1850 – 1910 MHz

RX: 1930 – 1990 MHz

MECHANICAL PROPERTIES

Width: 173.15 mm

Depth: 133, 60 mm

Height: 44.45 mm

Weight: 0.615 kg

CERTIFICATIONS

Electromagnetic Compatibility for Industrial Environments (IEC 61000-6-2)

Industrial Equipment (UL 508 or IEC 60950-1)