

iTegno 39XX GPRS MODEM



iTegno

Specially developed for industrial usage, iTegno 39XX GPRS modem is a robust modem that provides simple and seamless integration of telemetry and data control.

iTegno 39XX features a compact form factor and is also available in different interfaces to allow the flexible and easy integration into existing application infrastructures.

Designed to withstand demanding environment conditions, the reliable iTegno 39XX is ideally suited for industrial applications such as automated meter readings, security systems and fleet management.

Key Specifications

Quad band for global coverage

Low power consumption

Integrated TCP/IP and UDP/IP stacks

IP54 rating enclosure

Key Features & Benefits

- Reliable Performance – High RF sensitivity allows seamless and uninterrupted connectivity.
- Optimised for Industrial Usage - Ruggedized to suit field applications and extended lifetime requirements.
- Ease of Installation – Option of embedded antenna allows for easier and less costly installation.
- Multiple Interface Options – Broad range of interface options to provide seamless connectivity for different applications.

iWOW Competitive Advantage

With enhanced features for robust and compact wireless capability, iTegno 39XX GPRS modem delivers rapid time to market and ease of integration for remote and automation applications at the lowest cost.

Discover more about the [iTegno GPRS Modem](http://www.iTegno.com) at www.iTegno.com or contact us at sales@iTegno.com

Product Specifications

Physical

Size : 90.0 x 50.0 x 20.0 mm
Weight : < 60 gram
Status-indicator LED
Lead Free : Yes
SIM Support : 3V/1.8V
Interface : RS-232/ RJ-45 Serial Connection
Antenna : Embedded/ External (SMA connector)
Enclosure Protection : IP54 rating

Features

Quad-band : GSM 850 / EGSM 900 / DCS 1800 / PCS 1900
Compliant to ETSI GSM Phase 2/2+ standard
GPRS Data Services : Downlink - up to 85.6 kbps Uplink - up to 42.8 kbps Multislot Class 10 Terminal Class B PBCCH, PCCCH support
Coding Schemes : CS1, CS2, CS3, CS4
Circuit Switch Data Service : Asynchronous, Transparent & Non-Transparent
Fax Service : Group 3, Class 2.0
SMS service : Point-to-point (MO / MT) Text / PDU mode
User Interface : AT-commands (GSM 07.05, 07.07, and iWOW proprietary AT commands)
Integrated TCP/IP and UDP/IP stacks

RF Interface

Nominal Max Output Power:
GSM 850 / EGSM 900 : Class 4, 2W
DCS 1800 / PCS 1900 : Class 1, 1W
Sensitivity:
GSM 850 / EGSM 900 : -104 dBm
DCS 1800 / PCS 1900 : -102 dBm

Electrical Interface

Power Supply : 5 - 32 V
Power Down Mode : < 50 uA
GSM Mode : 240 mA (average)
GPRS Mode : 420 mA (average)
Sleep Mode : < 2.5 mA
Optional low transmit power mode

Environmental

Operating temperature : -20°C to +55°C
Extended operating temperature : -40°C to +85°C
Relative Humidity : 5% to 95% (non-condensing)

Regulatory Approval/ Standards

CE	R&TTE Directive 1999/5/EC
FCC	CFR Title 47, Part 15, 22 and 24
RoHS	2002/95/EC
Safety	EN60950
RF Exposure	EN50385
EMC	EN301 489-7
Radio Spectrum	EN301 511
SAR	EN50383/ EN50385
Environmental Testing	IEC60068
IP Codes	DIN EN 60529