Industrial GSM Modem

Model ICOMDM-GSMA

General Description

The ICOMDM-GSMA is a compact industrial GSM/GPRS modem with a quad-band design that allows for world-wide deployment.

Offering standards-based GSM/GPRS Class 10 performance, this ready-to-deploy, stand-alone modem provides wireless data communication and integrates seamlessly with virtually any application.

An external antenna connection allows for application specific mounting requirements.

Package includes modem, antenna, power supply, and serial cable.

Features

- Quad-band GSM 850/900/1800/1900 MHz
- GPRS Class 10, CSD, SMS data services
- Embedded TCP/IP stack
- SMA antenna connector
- SIM card externally accessible
- Rugged ABS plastic enclosure suitable for desktop use or panel mount
- Small size - 2.6" x 3.75" x 1.2"
- PTCRB, FCC, CE and carrier approvals
- 9-pin Sub D RS-232 interface
- AT command set compatible
- Baud rate 300 to 115.2kbps
- Low power consumption
- PTCRB & carrier approvals
- One year warranty

Specifications	
Cellular Bands	900/1800MHz, 850/1900MHz
Temperature	**Operating:** -30 to 65ºC **Storage:** -40 to 85ºC
SIM Card	1.8V/3.0V, externally accessible
Enclosure	Rugged ABS Plastic, Thru-case mountable w/ 2 #6 screws
Size	2.6" x 3.75" x 1.2" *(66mm x 95.225mm x 30.84mm)*
Operating Voltage	7-18VDC
Current Consumption	**Idle** *(registered/power saving)*: 25mA **GPRS class 10:** 146mA
TX Power	2W @ 850/900MHz, 1W @ 1800/1900MHz
Approvals/Certifications	FCC, PTCRB, CE, Carrier *(AT&T, T-Mobile, Rogers)*
Data Services	**GPRS:** Class 10/Class B/PBCCH/Coding Scheme 1-4 **CSD:** transparent up to 14.4kbps, non-transparent to 9.6kbps **SMS:** point-point mobile originated & mobile terminated, concatenated SMS, cell broadcast, Text/PDU modes **FAX:** V.110 Embedded **TCP/IP** stack (TCP/IP, UDP, SMTP, FTP)
Audio Services	Telephony, Emergency call, Superior echo cancellation & noise reduction, DTMF, HR/FR/EFR/AMR voice codecs