

ENVIROMUX-3GU-IND

Industrial USB GSM Modem Technical Specification



>>| Product Introduction

The ENVIROMUX-3GU-IND Modem is a complete wireless USB data modem providing global cellular network connectivity, where cellular signal available, with 3G/2G fallback capabilities for ensured access to the internet anywhere.

The modem is easy to install on the ENVIROMUX Enterprise Environment Monitoring Systems for SMS messaging and/or control over the ENVIROMUX (depending upon the type of SIM card installed- not included).

The ENVIROMUX-3GU-IND is widely used in more than 50 countries and regions, and more than twenty industrial fields, such as power control, water schedule, traffic, oil field, weather forecast, environmental protection, street lamp control, post, bank and many other areas.

>>| Hot Spot

Built-in 2G/3G industrial cellular module, insert SIM/UIM card to work directly;

Built-in sim card slot;

Broadband M2M communications

SIM failover/standby APN

3G failover for fixed line broadband connections

Rapid service deployment applications

Supports AT commands

USB port

>>| Industrial Application

- Remote Data Monitor and Control
- CCTV, security surveillance
- Water, gas and oil flow metering and schedule
- AMR (automatic meter reading)
- Power station monitoring and control
- Remote POS (point of sale) terminals, ATM,
- Traffic signals monitor and control, Traffic info guidance
- Oil field, weather forecast, environmental protection, street lamp monitoring and control
- Early Warning of Mountain Torrent
- Fleet management
- Power distribution network supervision
- Central heating system supervision
- Weather station data transmission
- Hydrologic data acquisition
- Vending machine
- Telemetry, SCADA
- Vehicle logistics and diagnostics controlling
- Parking meter and Taxi Monitor
- Telecom equipment supervision (Mobile base station, microwave or optical relay station)

>>| Features

- Auto install software
- Visual feedback on connection status with the LED and the easy connection software, including signal strength indication
- Industrial design with intelligent software capabilities, making it a reliable cellular solution for data collection and transmission
- Easily manage and control distributed remote devices over the air
- Built-in Watch Dog
- Real-time Clock (RTC)
- Remote Data Monitor and Control
- Always-On-Line
- Industrial design with surge protection
- Local and remote configuration over the air
- No need to build expensive fixed line network, saving cost substantially
- EASY TO INSTALL AND USE

The ENVIROMUX-3GU-IND Cellular Modem sets up in minutes, making it easy to use while on-the-go. Set up a wireless network with the ENVIROMUX-3GU-IND and provide your users with a secure, high-speed connection to the Internet virtually anywhere within a wireless broadband network.

>>| Specification

Wireless	
Mobile Networks	<ul style="list-style-type: none"> • UMTS WCDMA (HSDPA) • GSM EDGE • GSM GPRS
Cellular Frequency	<ul style="list-style-type: none"> • UMTS /HSPA (WCDMA/FDD) 850/1900/2100 MHz or 850/900/1900/2100Mhz • Quad-band EGSM 850/900/1800/1900
Data	
Bandwidth	<ul style="list-style-type: none"> • HSDPA Downlink 7.2 Mbps Uplink 384k bps • WCDMA/UMTS Downlink/Uplink 384 kbps • EDGE Downlink 236,8 kbps Uplink 118 kbps • GPRS Downlink 85.6 kbps Uplink 42.8 kbps
Interface	
Antenna	50Ω SMA female interface, external
Led	Power indicator Data indicator
UIM/SIM	1.8V/3V
USB	USB 2.0 female

Power	
Power supply	DC7V-26V , typical DC9V1A
Power consumption	Peak: 700mA@+9VDC Average: 85mA@+9VDC Idle: 30mA@+9VDC
Physical	
Operating Temperature	Work temperature: -30°C to 80°C Storage temperature: -40°C to 90°C
Humidity	95% Maximum (Non-condensing)
Dimensions	(L x B x H) 68mm x 48mm x 28mm (2.68" x 1.89" x 1.10")
Weight	113g (.25lb)
Electromagnetic compatibility	anlistatig test: Class 3 Radio electromagnetism test: Class 3
Others	
Package Contents	<ul style="list-style-type: none"> • ENVIROMUX-3GU-IND Modem • USB cable • Power Adapter • Antenna • CD-ROM with Product Documentation