

819-GPRS

GSM GPRS Cellular Data Modem

TCP/IP

INTERNET ACCESS

MACHINE TO MACHINE

WIRELESS DATA COMMUNICATION

SCADA

AUTOMATIC TELLER MACHINE

Security Monitoring

Remote Telemetry

AUTOMATIC METER READING

PROCESS CONTROL



The 819-GPRS Cellular Data Modem is an external modem device providing wireless connectivity through public cellular networks. As a fully certified, quad-band integrated platform, it enables simple integration through a serial connection.

Our ready-to-deploy wireless modem not only addresses your wireless communication needs, it also provides faster time-to-market.

So un-wire your existing communication-ready machines, systems or next generation devices and address multiple applications or markets with the single, flexible platform provided by the 819-GPRS.

Successfully deployed across diverse fixed or even mobile applications including data access, remote telemetry, SCADA, remote point of sale (POS) and automatic meter reading (AMR), the 819-GPRS supports both circuit-switched cellular and GPRS packet-switched data services with broad approval on cellular carriers worldwide.

Key Features

- Supports GPRS
- RS-232 connector
- Quad Band GSM
- Optimized for easy OEM applications
- TCP/IP stack access via AT commands
- Plug and Play ready for most applications
- Circuit Switch Data Origination and Termination
- PPP Originated Tethered Data Calls for TCP/IP capable devices
- Packet Data transmission at speeds up to 86 kbps
- JAVA Application Development Platform (J2ME)

819-GPRS



Approvals & Certifications

FCC ID: QIP-TC65

Industry Canada ID: 267W-TC65

PTCRB, Carrier Approvals Pending

Open Application Resources:

- ARM Core, Blackfin DSP
- 400 KB (RAM) and 1.7 MB (Flash) Memory
- Improved power-saving modes

Java™ Features:

- CLDC 1.1 HI
- J2ME™ profile IMP-NG
- Secure data transmission with HTTPS, SSL and PKI

Specifications

Frequency

Quad-Band 850/900/1800/1900 MHz

Size

4.10 x 2.61 x 1.10 inches

Weight

6 oz

Operating Humidity

0-85% non-condensing

Temperature

-30°C to +60°C (operating)

-40°C to +85°C (storage)

LED Indicators

Power, TX, DCD, RX

Interface Connectors

Power: 2.1/5.5 mm DC Barrel Jack (Center Positive)

Serial: 9 pin sub-D connector (ITU-T V.24 protocol)

Antenna: SMA female 50 Ohm

Power Input

9-28 VDC

Idle: 0.5W Average (45mA @ 12VDC)

Active: 4.0W Peak (335mA @ 12VDC)

RF Output Power

Class 4 (2 W) for EGSM850

Class 4 (2 W) for EGSM900

Class 1 (1 W) for GSM1800

Class 1 (1 W) for GSM1900

Internet Services

TCP, UDP, HTTP, FTP, SMTP, POP3

Specification for GPRS data transmission

GPRS Class 12: Up to 86 kbps

Mobile station Class B

PBCCH support

Coding scheme CS 1-4

Specification for CSD data transmission

Up to 14.4 kbps

V.110

Non-transparent mode

USSD support

Specification for SMS

Point-to-point MO and MT

SMS cell broadcast

Text and PDU mode

