

882™ Series

3G CELLULAR BROADBAND ROUTER

CalAmp®



Industrial-Class Wireless for a Broad Range of Applications

The 882 is a ready to deploy broadband router that delivers wireless data connectivity through public cellular networks at 3G speeds. Equipped for a wide variety of fixed and mobile applications, the 882 provides reliable connectivity for Programmable Logic Controllers (PLCs), Remote Terminal Units (RTUs), Ethernet web cameras or any other Ethernet or serial device.

This single, flexible platform addresses many wireless communications needs with serial to IP conversion, over-the-air configuration and system monitoring for optimal connectivity. As a widely approved wireless solution, the 882 delivers countless software capabilities. OEM and System Integrators may tailor the 882 by loading their application on the Open Developer Platform (ODP) which allows a Linux application to run on a partition of the embedded Linux operation system.

Experience *The Advantage*

- Built-in serial to Ethernet device server
- Auto redial for always-on cellular connection
- Open Developer Program (ODP) partitioned flash space
- Internal serial port for embedded devices
- MAC Filtering for security against unwanted access
- Remote web server configuration and diagnostics
- GRE tunneling, local IP, and VPN client



882 Specifications

General

Input Voltage	9 to 28 VDC
TX Power @ 12 VDC	550 mA (peak active CDMA) 625 mA (peak active GSM)
RX Sensitivity	-104 dBm (CDMA typical) -108 dBm (GSM typical)
Diversity Support	RX diversity
GPS Support	Fixed location reporting
Security	GRE tunneling, MAC filtering, firewall configuration
Transport Protocols	UDP/TCP
Certifications	FCC, IC, CE, PTCRB, UL Class 1 Div 2

Connectors/Interface

Device Management	HTTP embedded web server, Command line v.250 AT
LED Indicators	SVC TYPE, TX/RX, DCD, RSSI
Power	4-pin locking connector
Ethernet	10/100 Mbps BaseT full-duplex, RJ-45
Serial	RS-232, DE-9S connector (DCE)
USB	Type A receptacle (host controller)
I/O	1 input / 1 output (top row pins)
Primary Antenna	50 Ohm SMA Female
Aux Antenna (Div/GPS)	50 Ohm SMA Female

Mechanical/Environmental

Dimensions	5.6 (L) x 3.11 (W) x 1.71 (H) in, (14.22 x 7.90 x 4.34 cm)
Weight	9 oz, (0.26 kg)
Temperature Range	-30° to +70° C, (-22° to +158° F)

Electrical

Tx Current	≤ 2.0A @ 5.0 Watts, 13.3V
Primary Power	10-16 VDC

CDMA Technology/Bands

EVDO	800 MHz Cellular/1900 MHz PCS Downlink 3.1 Mbps; Uplink 1.8 Mbps
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GSM Technology/Bands

HSPA	Quad-band 850/900/1800/1900 MHz Downlink 7.2 Mbps, Uplink 2.0 Mbps
EDGE	Quad-band 850/900/1800/1900 MHz Downlink 236 kbps, Uplink 236 kbps
GPRS	Quad-band 850/900/1800/1900 MHz Downlink 115 kbps, Uplink 108 kbps



CalAmp's industrial wireless solutions combine utility-class performance and the proven reliability needed for mission critical communications. Our ruggedized line of licensed, unlicensed, and cellular devices provide narrowband, wideband and broadband data connectivity for fixed and mobile applications.

