LandCell-882™
3G Cellular Broadband Router

LandCell 882 is a ready to deploy broadband router that delivers wireless data connectivity through public cellular networks at 3G speeds. Equipped for a broad range 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 LandCell 882 delivers countless software capabilities. OEM and System Integrators may tailor the LandCell 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.

Versatile, secure communications with optimized connectivity…

- Remote data acquisition for serial or Ethernet devices
- Built-in serial to Ethernet device server
- Remote web server configuration and diagnostics
- Over-the-air firmware updates via web server
- Auto redial for always-on cellular connection

Feature-rich software with easy-to-use interface…

- Open Developer Program (ODP) partitioned flash space and run custom applications
- MAC filtering for security against unwanted access
- GRE tunneling, Static routes via GRE, local IP, VPN client and WAN gateways

High-speed, widely approved wireless solution…

- FCC, CE, IC, and PTCRB certifications
- Carrier certifications
- EV-DO Rev A speeds up to 3.1 Mbps download and 1.8 Mbps upload
- HSPA speeds up to 7.2 Mbps download and 2.0 Mbps upload

Industrial-class reliability for a broad range of applications…

- Industrial temp range for commercial use
- On-board SIM card socket with pin lock (GSM models)
- Internal serial port for embedded devices
- Wide range input power of 9-28 VDC

High Speed

Long Range

Ruggedized

Safe/Secure

Diversity

Connectivity

CalAmp ®

LandCell-882 Specifications

CDMA Models & Ordering Information

EV-DO
- 800 MHz Cellular; 1900 MHz PCS
- Downlink up to 3.1 Mbps
- Uplink up 1.8 Mbps

Ordering Information
Verizon
- 882-EVDO-VZW (modem only)
- 882-EVDO-VBD (modem + accessories)

Sprint
- 882-EVDO-SPN (modem only)
- 882-EVDO-SBD (modem + accessories)

GSM Models & Ordering Information

HSPA
- Quad-band 850/900/1800/1900/2100 MHz
- Downlink up to 7.2 Mbps
- Uplink up to 2.0 Mbps

Ordering Information
- 882-HSPA-GEN (modem only)
- 882-HSPA-GBD (modem + accessories)

GPRS
- Quad-band 850/900/1800/1900 MHz
- Downlink up to 115 kbps
- Uplink up to 108 kbps

Ordering Information
- 882-GPRS-GEN (modem only)
- 882-GPRS-GBD (modem + accessories)

All Models

Power and I/O Connectors
- Molex 4 Pin, Dual Row Micro-Fit
- I/O: 1 Input / 1 Output (top row pins)
- Power: Ground / Power (bottom row pins)

Input Power
- 9-28 VDC

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

Ethernet Interface
- RJ-45 10/100 Full-Duplex

USB Interface
- Type A Receptacle (host controller)

Antenna
- Female SMA 50 ohm

LED Indicators
- Svc Type, Tx/Rx, DCD, RSSI

Size
- 5.60 x 3.11 x 1.71 inches

Weight
- 9 oz

Temperature Range
- -30 to + 70°C (operating)
- -40 to + 85°C (storage)

Operating Humidity
- 0-85% (non-condensing)

Approvals & Certifications
- FCC
- CE
- Industry Canada
- PTCRB
- Various Carrier Approval

CalAmp
299 Johnson Ave, Ste 110
Waseca, MN 56093

Tel 800.992.7774
Tel 507.833.8819
Fax 507.833.6748

www.calamp.com