

## LandCell SMC

Embedded Wireless 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 LandCell SMC embedded wireless modem by CalAmp is a versatile, cost-effective wireless communications device designed for the industry-standard universal socket. Quad-band GSM/GPRS offers compatibility with cellular network around the world.

The LandCell SMC embedded GPRS modem is ideal for OEM customers looking to add cellular wireless communications to their products. Applications include: monitoring, metering, diagnostics, security, data collection and other applications requiring wireless connectivity.

### Key Features

- GSM/GPRS Quad-Band 850/900/1800/1900 MHz
- Embedded TCP/IP Stack
- PPP-Stack for GPRS Data Transfer
- Serial Interface with Speeds up to 115.2 kbps
- AT Commands
- Packet Data
- Circuit Switched Data
- Short Message Service (SMS)
- SIM Socket
- MMCX Antenna Connector
- One-Year Warranty

# LandCell SMC

## Specifications

### Frequency

Quad-Band GSM/GPRS 850/900/1800/1900 MHz

### Size

3.1" L x 1.4" W x 0.5" H

### Weight

1.0 oz.

### Temperature

-30°C to +65°C (Operating)

### Connectors

Antenna: MMCX, 50 ohm

SIM: Standard 3V, 1.8V SIM Receptacle

### Power Input

5VDC, 400mA Average, 1400mA Burst

### IP Protocols Supported

Embedded TCP/IP Stack Driven by AT Commands:

1. Socket Client and Server for TCP, Client for UDP
2. FTP Client
3. HTTP Client
4. SMTP Client
5. POP3 Client

### Specification for GPRS Data Transmission

GPRS Class 12: Up to 86 kbps

Mobile Station Class B

PBCCH Support

Coding Scheme 1-4

### Specification for CSD Data Transmission

Up to 14.4 kbps

V.100, RLP, Non-Transparent

USSD Support

### Specification for SMS

Point-to-Point MT and MO

SMS Cell Broadcast

Text and PDU Mode

### Certifications

EMC: CE Mark and FCC

Network: PTCRB (pending)



## LandCell SMC Pin-Out Diagram

