

Low Current GPRS Modem

Cellular TCP/IP M2M Terminal with Integrated SuperCapacitor



Cellgo

Cellgo is a compact GSM/GPRS Modem allowing devices with serial ports to connect to the cellular network. Cellgo integrates a SuperCapacitor enabling power-constrained products, such as battery-powered devices, to cope with power peaks required during GSM/GPRS transmission. Cellgo can be powered directly through the RJ45 serial connector for a convenient single cable installation or with an optional charger.

This cost-effective GSM/GPRS Modem comes with a powerful TCP/IP stack, all in a compact and stylish form that makes it ideal for a large range of appliances. Cellgo is optimized to provide a reliable and price competitive solution to M2M projects, offering a short time-to-market option for connecting devices wirelessly.

Based on the award winning eDevice TCP/IP stack, Cellgo includes, in addition to standard TCP sockets, a DNS client, an FTP client and an email client.



Single Cable

The RJ45 cable can handle both power supply and data transmission at the same time, ensuring easy device installation.



Power Averaging

Designed to regulate consumption during GSM/GPRS transmission to cope with heavy power constraints.



Worldwide Coverage

When used with eDevice SIM card service, Cellgo allows international wireless support. Traffic can be monitored & audited through eDevice SLP portal.



Quad-band

The quad-band cellular module enables international roll-out and is a perfect fit with eDevice's worldwide GSM / GPRS coverage.



FTP / Mail Client

Data exchange in file or mail format is triggered with a simple AT# command sent over the serial port.



Innovative Design

Its simple and sleek design makes it also ideal for use in the home or desktop environments.



▶ Hardware

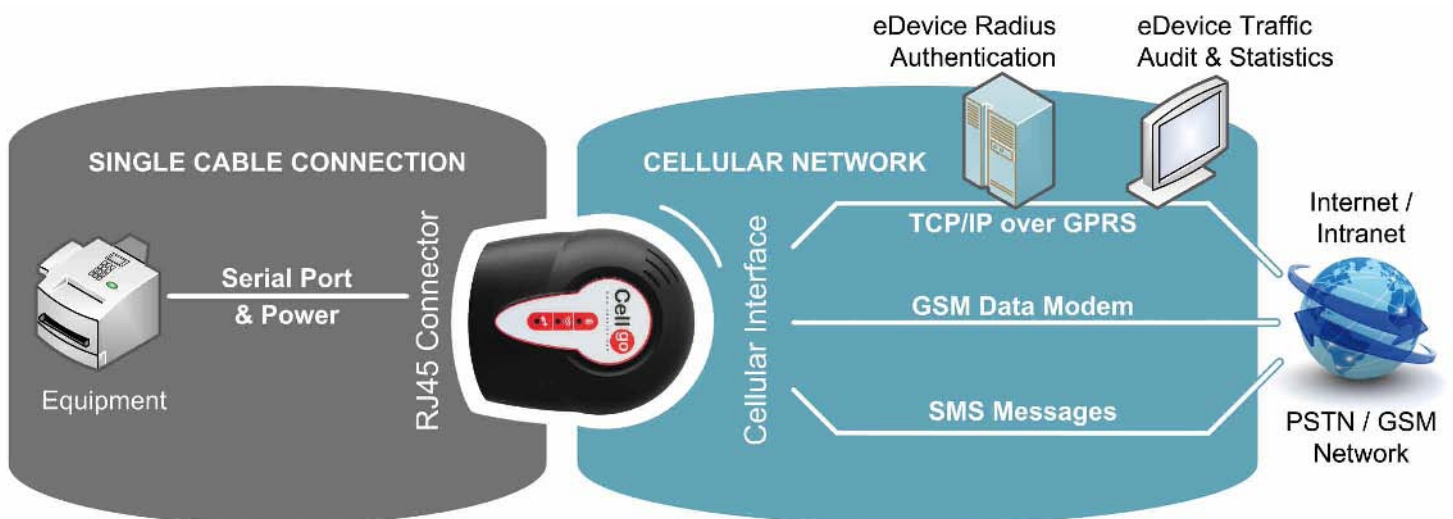
- ▶ Max Power Consumption @ 5V: 650mA Class10 / 400mA Class2
- ▶ Hardware current limitation @ 1.5A
- ▶ RJ45 RS232 interface (EIA / TIA-561)
- ▶ Optional mini-USB power supply connector (Cellgo-UC version only)
- ▶ Size: 120(W) x 103(D) x 36(H) mm
- ▶ Operating Environment: -30 to +80°C
- ▶ Wall mountable casing

▶ Software

- ▶ GSM AT commands
- ▶ Multi-network eDevice AT# interface for TCP/IP applications
- ▶ PPP stack for GSM data
- ▶ DNS client for name resolution
- ▶ UDP and TCP socket access
- ▶ FTP Client for file transfer
- ▶ POP3/SMTP client for mail exchange

▶ GPRS / Wireless

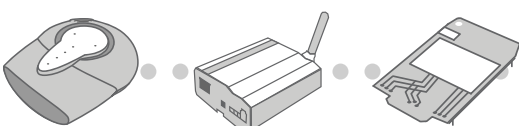
- ▶ Multi-slot Class 10 GPRS
- ▶ Maximum speed: 85.6kbps downlink / 42.8kbps uplink
- ▶ Quad-band 850/900/1800/1900Mhz
- ▶ SMS support, CSD up to 14.4 kbps (MNP2, V42bis)
- ▶ GPRS Mobile Station class B
- ▶ LEDs indicating activity of the modem
- ▶ Internal Quad-band Antenna & SIM card holder



Cellgo, by virtue of its low-cost achieved through hardware and software optimization, is the easiest way to enable electronic equipment to communicate wirelessly. The existing serial port is simply connected to the RJ45 connector on the Cellgo, allowing Internet connectivity through cellular networks using standard AT and AT# commands.

eDevice's solutions connect equipment to the Internet for remote monitoring, remote control and remote data transfer. eDevice's M2M solutions have proven success in many types of applications including Telemedicine / eHealth, Energy Monitoring / Metering, Industrial Control, Security Systems, Home Automation, and more.

Cellgo complies with RoHS and reduces the carbon footprint needed for production and transportation. It also uses less tantalum (by a factor of 8), compared to previous generation products.



More than 3 Million Products in the Field