

# DigiCall™

# GSM Subscriber Unit

- Voice Call with Caller ID
- Analog Fax (Group II and III)
- RS232 port
- SMS service
- Call waiting, forwarding, barring
- Remote diagnostic and upgrade
- PIN lock

**GSM 850/900/1800/1900**  
**GPRS ready**



**GSM Terminal for  
fixed access to Cellular  
or WLL networks.  
Connects Phones, Fax, PC  
and answering machines**

**DigiCall** GSM



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The DigiCall™ Single-Line Subscriber Unit is a full duplex radio transceiver which contains radio communications and telephone interface circuitry.

The Subscriber Unit provides a standard two-wire Loop-start interface for customer telephone equipment.

Subscriber Unit can serve up to 3 simultaneously connected telephone sets or other standard telephone devices e.g. speaker-phones, answering and FAX machines, modems, etc.

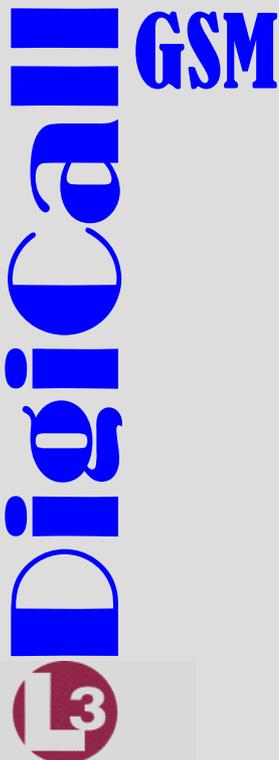
Integrated back-up battery provides uninterrupted service in case of power failures.

The subscriber unit may be used as a desk-top or wall-mountable device. Variety of optional antennas ranges from small attachable antennas to wall- or roof-mountable directional antennas to ensure 35 km coverage and low Bit Error Rate.



Optional triple-DES/AES encryption provides military-type of security of communication.

Subscriber Unit is ready to be upgradeable to GPRS class 2 and class 10



## **VOICE/DATA/FAX/SMS GSM 800/900/1800/1900 MHz**

- Exceptional voice quality of GSM Enhanced vocoder;
- Digital connection of your PC to internet (does not require PC analog modem);
- Analog/Digital Fax Transmission with up to 14.4 kbps ;
- DTMF and pulse-dial capability;
- Pay-phone compatible;
- Caller ID compatible
- Full set of supplementary services
- Desk-top or wall-mount installation;
- Easy re-programmable on the field;
- GPRS (64 Kbps) READY
- Triple-DES/AES encryption (optional)

### **Additional Services**

- Automatic PIN insertion
- PIN lock
- RF signal strength readable on Caller ID box.
- Programming features of the Unit through touch-keys of the connected phone.
- Emergency dial without SIM card

**GSM**



- **Supports:** Analog Fax/Modem (RJ11), Digital Fax/Modem (RS-232) pulse/tone dialing, pay-phones (metering pulses/ polarity reversal)
- **Max. Loop current:** 30 mA
- **Max. loop resistance:** 1250 ohm
- **Voice quality:** Enhanced Vocoder (GSM phase II plus)
- **Caller ID:** Per Bellcore GR-30-core; (TR-NWT-000030)
- **Radius of coverage:** 35 Km
- **FAX/Modem rate:** 14.4 kbps;
- **Air Interface:** GSM Phase 1, GSM Phase 2+ compatible

- **RF Frequency:** 900, 1800, 1900 MHz (optional AT&T 800 MHz)
- **Frequency Channels:** Frequency agile. Each FDMA channel can be positioned anywhere in Standard/Enhanced GSM bands.
- **RF Transmit power:** 1.4 W (900 MHz), 1W (1800 MHz), 0.8W (1900 MHz)
- **Idle channel noise:** <20dBmC

- **RF sensitivity:** up to -103 dBm
- **Input DC power:** 12-15 VDC
- **Power Dissipation:** < 15 Wt

- **LED Indicators:** Power status; Service status; Voice/Data mode status



- **Antenna:** Attached omni-directional antenna, (optional high gain antennas)

- **Connectors:** RJ-11 (Phone, Analog Fax/Modem); DB9 (for RS232, Digital PC/Fax); TNC antenna connector; DC power input.

- **Power Supply:** AC/DC converter with 110/240 VAC input, 12 VDC output (plug options for US; UK; Euro; Australia; China).

- **Back-up power:** internal battery back-up with Ni-Ca batteries. (more than 2 hrs of talk time)
- **Dimensions and weight:** 28 x 20.5 x 5 cm [11.0" x 8.0" x 2.0"]; 1 kG [2.1 lbs]
- **Environment:** operating (storage) temperature-- 0 °C to +50 °C (-25 °C to +65 °C) humidity-- 5 % to 95 %

