

Technical Specifications

Supports:	Analog Fax/Modem (RJ11) Digital Fax/Modem (RS232) Pulse/Tone dialing Pay-phone compatible (metering pulses and polarity reversal)
Max Loop Current:	30mA
Max Loop Resistance:	1250 ohm
Voice Quality:	Enhanced (GSM phase II plus) Vocoder
Caller ID:	On-hook, on call waiting; Per Bellcore GR-30-core (TR-NWT-000030)
GPRS:	Supports Class 2,4,10; also supports coding scheme 1,2,3,4
Radius of Coverage:	Up to 35 km
Fax/Modem Rate:	14.4 Kbps (GSM-II networks)
Air Interface:	GSM Phase I/GSM Phase II plus compatible
Frequency Bands:	900/1800, 900/1900, & 850/1900
Frequency Channels:	Frequency agile. Each FDMA channel can be positioned anywhere within Standard/Enhanced GSM bands
RF Transmit Power:	2W (900 MHz), 1W (1800/1900 MHz)
Idle Channel Noise:	< 20 dBmC
RF Sensitivity:	<-104 dBm
Input DC Power:	12-15 VDC
Power Consumption:	standby < 2W, talk < 6W
Environmental:	Operating temperature range: 0°C to 50°C Storage temperature range: -25°C to +65°C Humidity: 5% to 95% (non-condensing)
Connectors:	RJ-11 (voice, analog fax/modem) DB9 (RS232, digital PC/Fax Data) TNC Jack (female) antenna connector DC power input jack
LED Indicators:	Power Status – Service Status – Voice/Data/SIM Status
Dimensions:	23cm x 15cm x 4cm (9 1/4" x 6" x 1 5/8"), 1 Kg (2.1 lbs)
Included Accessories:	Antenna: omni-directional antenna Power Supply: AC/DC converter with 12VDC output Multiple AC plug options available Internal Battery back-up – Ni-Cad (9.6 VDC/650 mAh)
Optional Accessories:	External battery/UPS High-gain antennas Solar power Telephone handset with Caller ID Internal Battery back-up – Ni-MH battery (> 2 hrs talk time/> 12 hrs standby)



GSM Subscriber Terminal

DigiCall - Model 6000

Voice/Data/Fax •
GSM 900/1800/1900 MHz •
GPRS Compatible •
Caller ID Compatible •
SMS Capability •

Contact Info

- Sales and Marketing** • 101 Rock Road, Horsham, PA 19044
Tel: +1 215.957.3719 • Fax: +1 215.957.3794
- International Sales** • The Spirella Building, Letchworth Garden City, Hertfordshire, SG6 4ET, UK
Tel: +44 (0) 1462 476444 • Fax: +44 (0) 1462 476445
- Latin American and Caribbean** • 11336 Minaret Drive, Tampa, FL 33626
Tel: 813.891.9002 • Fax: 813.891.9322
- E-mail** • GNS.Marketing@L-3Com.com • www.GNS.L-3com.com



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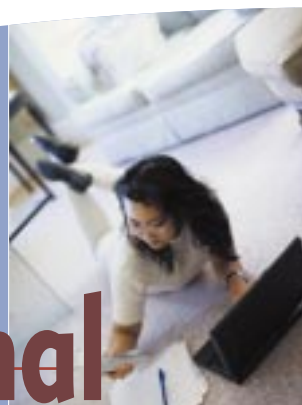


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GSM Subscriber Terminal

Model 6000



• Primary Phone Line



• Small Business



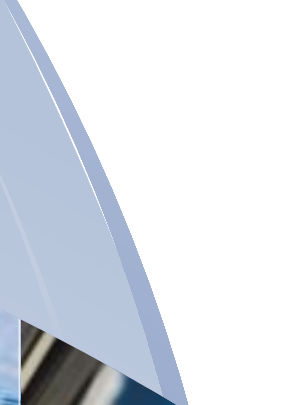
• Temporary/Portable Business



• Second Phone Line



• Vacation Home



• Pay Phone

Key Features

- Exceptional Voice Quality
- GPRS Compatible
- Digital Connection of PC to Internet
- Supports Analog & Digital Fax
- Pay-phone Compatible
- DTMF and Pulse-Dial Capability
- Rapidly Deployed - Easily Configured
- Optional Triple DES Encryption



• Analog or digital fax

Product Description

The Model 6000 by L-3 Communications – Global Network Solutions is a GSM compatible subscriber terminal providing fixed wireless access for customers using standard GSM mobile cellular networks or GSM wireless local loop networks. Suitable for a multitude of applications, the subscriber terminal allows the service provider to **maximize network capacity, minimize installation and maintenance times and increase subscriber penetration and revenue** by supporting a full range of communications needs.

With its quick and easy deployment, the subscriber terminal is a cost-effective solution for **urban, rural, and remote applications** requiring telephone and/or data connectivity. In densely populated urban areas, the Model 6000 is ideally suited to provide telephone and data services, without the need for dispatching costly installation crews. In rural and remote areas, the terminal can be used both for providing telephony services to customers where wireline networks are either not available or too costly to deploy, or can be used for providing telemetry/data capabilities for weather stations, gas pipelines, and other industrial applications.

Because the Model 6000 Subscriber Terminal is so easily installed and operated, it can be quickly deployed as a **second phone line**, as the primary phone in a **vacation home** or recreational vehicle, or as a **Point-of-Sale (POS) terminal** for seasonal or temporary businesses. The imbedded high-level of security inherent in the GSM system makes the Model 6000 ideal for business telephony and data applications. The Model 6000 is especially-well suited for small office and **small business** applications providing compatibility with analog (RJ11) PBX systems and allowing economical Least Cost Routing (LCR) of calls.

The single-line Subscriber Terminal is a full duplex, inherently secure radio transceiver with telephone interface circuitry, and is designed in full compliance with GSM standards. The terminal supports a wide range of telecom services and permits connection of up to three (3) telephony devices including standard telephones, answering machines & fax machines. A serial data port also permits direct connection to computers and modems.

Special Features and Supplementary Services

- Full Set of Supplementary Services including:
 - Call Waiting
 - Call Forwarding
 - Call Barring
 - Caller ID
- SMS Capability
- PIN Code/Lock Capability
- Emergency Dial without SIM Card

Simple Installation

- The Model 6000 Subscriber Terminal is designed for ease of installation and maintenance:
 - Easily programmable via touch-keys of connected telephone
 - RF Signal Strength through Caller ID Unit
 - Remote Diagnostics and Upgrades
 - Simple connections to PC/Fax Machine/Answering Machines/Modems

The Model 6000 can be installed on a desk-top or wall-mounted, depending on the needs of the subscriber. Each terminal includes a standard antenna, AC power supply, integrated backup battery and users manual. Options include external battery back-up, solar power and telephone handset with Caller ID. In addition a wide selection of high gain antennas are available to insure optimal coverage range (up to 35km) with an extremely low Bit Error Rate (BER).



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