



GC85 EDGE PC Card

DEDICATED TO KEEPING YOU ONLINE

EDGE PC Card modem GC85 is a wireless data product, capable of the highest possible transfer speed over GSM networks. The product supports 900, 1800 and 1900 GSM Networks.

SUPPORTS ALL GSM STANDARDS

It supports all current GSM standards, from 9.6 kbps in older systems, packet based GPRS standard and the EDGE technology.

SMS MESSAGE APPLICATION

Including SMS application that makes it possible to send and receive SMS messages direct from the laptop PC. This can be done at the same time as you are being connected, e.g. browsing Internet.



KEY FEATURES:

A handy solution for the users of portable PC's at home, work or abroad. Gives wireless access to Internet/Intranet and the company network while traveling.

Always available in the PC, no cables. No problems with adapters/connectors for the fixed phone line in foreign countries. Powered by the battery in the laptop.

Access corporate data and use standard applications including E-mail and Internet browsers.

Works with Win 98SE, Millenium, Windows 2000 and Windows XP Pro environment offering full data and SMS functionality, all from one card.

Convenient SMS Message application included – Send/Receive messages direct from PC to mobile phones. SMS also possible when connected over CSD and GPRS.

Works in all GSM networks; on all 5 continents. Takes advantage of the fastest way of communicating in all GSM environments.

GC85 Kit: PC Card & antenna in aluminum case, printed Quick Start Guide, CD-ROM with PC Applications, User Manual and AT-Command manual.



Technical Specifications

GENERAL

| | |
|-------------------|---|
| Product Name | GC85 |
| Radio | E-GSM 900 (2W, Class 4) GSM 1800 (1W, Class 1) GSM 1900 (1W, Class 1) |
| Service Supported | CSD, EDGE/GPRS, SMS |
| SIM Card | Small plug-in card, 1.8 & 3V, Standard and GPRS-aware SIMs supported. |

EXTERIOR DESCRIPTION

| | |
|---------|---|
| Size | 16-bit PCMCIA PC Card, Type II. 85.6 mm long x 54.0 mm wide x 5.0 mm thick |
| Weight | 44 g incl. antenna |
| Battery | Power via the PC Card slot i.e. uses laptop battery. |
| Antenna | 50 ohm interface; Antenna supplied |

OPERATING SYSTEM SUPPORT

| | |
|-----------------------------|---|
| Supported Operating Systems | Microsoft Windows® 98SE, Me, 2000 (SP4) and XP |
| Minimum PC Specifications | CPU & Memory as recommended by Microsoft for Windows®, PC Card Slot, 30 MB free disk space. Microsoft WHQL approved for Windows 2000 and XP, NDIS 5.0 based. |

SUPPLIED SOFTWARE (on CD-ROM)

| | |
|--------------------|--|
| GC85 Comm. Manager | PC Drivers (Microsoft WHQL approved) and software |
| Documentation | User Manual, AT Command Reference |
| Drivers | Microsoft WHQL approved for Windows 2000 and XP, NDIS 5.0 based. |

GSM FEATURE SUPPORTED

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|-------------------------|-------------------------------------|
| ME SIM Lock | Yes |
| SIM Application Toolkit | Class 2 without call control. |
| USSD | Support is provided via AT commands |

DATA SUPPORT (Network Dependent)

| | |
|------------------|---|
| TCP/IP | Version 4 |
| GSM Data | 9.6 & 14.4 kb/s |
| GSM/ISDN | According to V.110 to V.120 |
| GPRS Data | Multislot Class 10 (4/2 Down/Uplink) GPRS Terminal Class B (no voice support) User Data Rates: CS1-CS4 (8.0, 12.0, 14.4 & 20.0 kbps) Downlink: max. 53.6 kbps Uplink: max. 26.8 kbps Supports 1.8 & 3 V SIM Cards Encryption GEA Dynamic and Fixed allocation |
| EDGE | Multislot Class 10 (4/2 Down/Uplink) Coding Schemes MCS 1-9 User Data Rates: GMSK (8.4, 11.2, 14.8, 17.6 kbps) 8-PSK (22.4, 29.6, 44.8, 54.4 & 59.2 kbps) Downlink: max. 247.4 kbps Uplink: max. 123.7 kbps Power Class E2 (0.5W 900 MHz, 0.4W 1800 MHz & 0.4W 1900 MHz) |
| Error Correction | End to End MNP 2-4 & LAPM (V.42) & network support RLP |
| Compression | MNP 5 & V.42 bis GSM network support required for compression. |

SMS DATA

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|-----------------------------|--|
| Concatenated SMS (long SMS) | Yes, both send & receive |
| SMS Cell Broadcast | Supported in GC85 Manager and by AT Command (Excl. Cell) |
| SMS Immediate Display | Supported in GC85 Manager and by AT Command (Excl. Cell) |

| | |
|----------------|-------------------------------------|
| Character Sets | Unicode support for Chinese markets |
| SMS interface | GC85 Manager, AT-Command |

COMPATIBILITY

Windows compatible applications e.g. Outlook, and Remote Access

ENVIRONMENT

| | |
|-----------|---------------------|
| Operating | -10 to 55 degrees C |
| Storage | -20 to 65 degrees C |

POWER CONSUMPTION

<20 mW (Standby), <950 mA (full power GSM) at nominal 3.3volt

SUPPORTED LANGUAGES/DOCUMENTATION

| | |
|----------------------------|--|
| Documentation | Quick Start Manual, PC Software, User Manual (PDF) |
| Languages | English Chinese Simplified (ZS) Chinese Traditional (ZT) Danish (DA) Dutch (NL) Finnish (FI) French (FR) German (DE) Italian (IT) Norwegian (NO) Portuguese (PT) Spanish (ES) Swedish (SV) Turkish (TR) |
| AT Command Reference (PDF) | English |

CERTIFICATION

CE, FCC, GSM Type Approval, PCTRB, Canadian

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Sony Ericsson

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