

GPRS 1040 Module for Motorola MC50

+ **Features and benefits:**

- ✓ Accessory to the Motorola MC50 unit that provides Wide Area Network (WAN) capability
- ✓ Provides simple upgrade path for standard MC50 terminal (standard capacity battery only)
- ✓ Compatible with desktop charge cradle and car charger
- ✓ Compact enclosure - 95 x 80 x 24 mm
- ✓ Replaceable battery Li Ion rechargeable battery
- ✓ Ergonomic design to fit in hand



PART NO.

1040-GPRS-MC50

- + This accessory to the Motorola MC50 handheld terminal provides the unit with Wide Area Network (WAN) capability. The unit attaches as a sleeve around the MC50 and contains the radio modem, a removable Li Ion rechargeable battery, antenna and SIM card. The GPRS modem is a tri-band Class 10 device capable of providing high speed data access to a GSM network. A SIM holder is mounted behind the removable battery. The incorporation of the removable battery ensures that the MC50 battery performance is un-affected by the use of the GPRS module. The mechanical design of the module enables the attachment to remain compatible with existing MC50 accessories such as the desktop charge cradle and the car charger. The accessory is not suitable for use with an MC50 with high capacity battery.
- + Efficient utilisation of network resources using PBCCH. PBCCH (Packet Broadcast Control Channel) is a new signaling channel that substantially improves transmission performance in GPRS transfer mode.
- + Data transmission can be via GPRS class 10 in EGSM900, GSM1800 and 1900. This unit provides the possibility of secure, high-speed wireless communication around the globe. At present the unit does not have carrier approval for North America.

Tri-Band EGSM900/GSM1800/GSM1900	Low Power Consumption
GPRS multi-slot class 10	Weight 120g
GPRS mobile station class B	Dimensions 95 x 80 x 24 mm
Compliant to GSM phase 2/2+	Operating temp -0°C to +50°C
WAP compliant	Charging temp 0°C to 45°C
Fax Group 3, class 2	CSD up to 14.4Kbps
GPRS class 10: max. 85.6Kbps (downlink)	SMS via GSM and GPRS
PBCCH support	Point-to-point MO and MT
Coding schemes CS 1,2,3,4	SMS cell broadcast
Enclosure material: ABS/PC	Control via AT commands (GSM 07.07 and 07.05)
Storage Temperature: -25°C to +60°C	Text and PDU mode
Humidity: 5% to 90% RH Non Condensing	Battery charger – charge time 2 hrs



Part No: 1040-GPRS-MC50

+ About TSL

TSL designs and manufactures both standard and custom embedded, snap on and standalone peripherals for handheld computer terminals. Embedded technologies include:

- GPS
- RFID – Low Frequency, High Frequency and UHF
- GPRS/GSM
- IrDA
- Contact Smartcard
- Fingerprint Biometrics
- 1D and 2D Barcode Scanning
- Bluetooth
- 802.11 WiFi
- Magnetic Card Readers
- OCR – B and ePassport

Utilizing class leading Industrial design, TSL develops products from concept through to high volume manufacture for Blue Chip companies around the world. Using the above technologies TSL develops innovative products in a timely and cost effective manner for a broad range of handheld devices.

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