

HCP75-T

HY-LINE[®]
COMMUNICATION PRODUCTS

High speed GPRS/EDGE Quad band GSM Modem

The HCP75 Terminal is a compact quad band GSM/GPRS modem with integrated EDGE technology. Enhanced Data rates for GSM Evolution (EDGE) is a third-generation (3G) high-speed mobile data and Internet access technology. The average Data rates (three to four times of GPRS) are fast enough to support a wide range of advanced data services, including streaming audio and video, fast Internet access and large file downloads. EDGE uses the GSM network. The coverage and availability is much better than UMTS.

This modem is State of the Art for a very fast data, voice, SMS and fax transmission with optional Bluetooth Class 1 support. It supports the GPRS class 12 standard and therefore permits a far higher data rate. With integrated TCP/IP stack this modem enables GSM/GPRS connectivity of the highest standard.

Standard interfaces as well as an integrated SIM card reader significantly shorten installation time. The quad band capability enables the worldwide use. To fulfil the demands for use in rugged environment, the terminal is mounted in a robust metal housing with one of the smallest form factors on the market.

The functionality of the terminal corresponds to the features of the Siemens MC75 module, supplemented by SIM card reader, an USB-, RS232- and an I2C bus interface, an analogue interface for handsets and a wider supply voltage range. The plug-in connections are standardised and suitable for use under vibration.

HCP75-BT use a Bluetooth[®] class 1 module on ASC0 for communication with other short range devices within a range up to 100 metres.

General features:

- Supply voltage range: 5-30VDC
- robust metal housing
- Dimensions 105 x 70 x 30 mm
- Weight: approx. 210 g
- Ambient temperature range: -25 to +65 °C
- Automatic switch off at +85°C
- Protection class IP40
- CE certificate

Interfaces:

- Operating status LED
- SIM card interface 3V, 1.8V
- SMA (f) antenna connector
- Handset audio interface
- Reset / On / Off button
- USB (slave) port
- 4 pin Micro-Fit 3.0™ for power supply
- 8 pin Micro-Fit 3.0™ connector for
 - I2C bus (5V industrial level)
 - Serial interface ASC1



GSM features:

- Quad band 850/900/1800/1900 MHz
- GSM release 99
- GPRS Multi slot class 12
- EDGE (EGPRS) Multi slot class 10
- Output power: Class 4 (2W) / Class 1 (1W)
- SMS via GSM or GPRS
- CSD up to 14.4 kbit/s
- Fax group 3, class 1
- TCP/IP stack access via AT commands
- SIM application toolkit release 99

Specially HCP75-T

- 9 pin sub-D connector for serial interface with the ITU-T V.24 protocol on ASC0

Specially HCP75-BT

- Supports wireless connections up to 100 m
- Full access with AT commands
- SMA (f) antenna connector
- Bluetooth[®] certified

Pre-Release