

HCP65-T

HY-LINE[®]
COMMUNICATION PRODUCTS

Java™ programmable Quad band GSM Modem

The HCP65 Terminal is a compact Java™ programmable quad band GSM modem for 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 Cinterion TC65 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.

HCP65-BT uses a Bluetooth[®] class 1 module on ASC0 for communication with other short range devices within a range up to 100 metres.

You are free to program and running your own Java™ application. After programming there is no need for additional start up procedures, simply switch it on! The separate hardware watchdog protects your application from unexpected events.



General features:

- Supply voltage range: 5-32VDC
- robust metal housing
- Dimensions 105 x 70 x 30 mm
- Weight: < 250 g (without backup battery)
- Ambient temperature range: -25 to +65 °C
- Automatic switch off at +85°C
- Protection class IP40
- Optional: backup- battery
- separate hardware watchdog
- 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
 - 1 input up to 30 V
- 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 Class 12
- 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
- Java CLDC 1.1, J2ME
- 400Kbyte RAM, 1.7 MB Flash
- TCP/IP stack via AT commands
- Support of TCP, UDP, HTTP, FTP, SMTP, POP3, HTTPS, PKI
- Application SW update over-the-air

Specially HCP65-T

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

Specially HCP65-BT

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