

ECL-EHS5 GPRS / EDGE / 3G Java Terminal

ECL-EHS5 has been developed for machine-to-machine (M2M), Smart Metering and telemetry solutions, communicating over cellular telecommunication network for reading, monitoring and controlling functions.

Can be used for many solutions with the help of integrated JavaTM Application Platform. Builds a transparent communication platform between field devices via serial ports and remote servers or applications over GPRS/EDGE/3G.



Physical Specifications

- Size : 98 x 101 x 60 mm
- Weight : ~300 gram
- DIN Rail and Wall Mountable
- Sealable Terminal Cover

Environmental Specifications

- -40 ... +85°C operating temperature

Power Input

- 100 ... 240 VAC or 9 VDC-48 VDC
- 6 KV Impact Resistance

Wireless Features

- Dual Band UMTS (WCDMA/FDD)
900/2100 Mhz (EU) 850/1900 Mhz (US)
- Dual Band GSM
900/1800 Mhz (EU) 850/1900 Mhz (US)
- GPRS/EDGE Class 12HSDPA Cat.6-8
- 7.2 Mbps DL, 5.76 Mbps UL (HSDPA, HSUPA)
237 kbps DL, 237 kbps UL (EDGE Class 12)
85.6 kbps DL, 237 kbps UL (GPRS Class 12)
- CSD 9.6 kbps V.110
- SMA Antenna Connector
- Easy use push-n-eject SIM card connector
- Dual SIM and Embedded SIM Support (optional)
- Fully compatible with all GSM operators
- RLS Monitoring (Jamming Detection)

Serial Interfaces

- 1 x RS-485 Interface
- 1 x RS-232 or RS-485 Interface (Optional)
- 300bps - 460kbps communication speed
- 7E1, 7O1, 8N1, 8E1, 8O1 frame
- RS-485 Automatic Data Direction Control (ADDC)

Other Inputs / Outputs

- 2 x 250 VAC 2A Relay Output (NC/NO/Shared)
- 3 x Dry Contact Input (Standart)
- 3 x Additional Dry Contact Input (Optional only for models without RS-232 port)

Other Hardware Features

- ARM Microprocessor
- Real Time Clock (RTC)
- Built in Flash Memory
- Hardware Watchdog
- 2G/3G LED Status Indicator
- Multi SIM support, supports both M2M SIM and Regular SIM
- Integrated TCP/IP Stack, UDP/TCP/DNS/Ping/HTTP/FTP support
- Can send alerts to central server by the help of supercapacitor in case of power cut-off (Optional)

JAVA Features

- Java™ ME 3.2
- Secure data transmission with HTTPS/SSL
- JAVA OTAP Remote Application Updates