

ECL-BGS5 GSM / GPRS Java Terminal



ECL-BGS5 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 GSM/GPRS.

Physical Specifications

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

Environmental Specifications

- -40 ... +70°C operating temperature

Power Input

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

Serial Interfaces

- 2 x RS-485 Interface OR 1 x RS-485 Interface + 1 x RS-232 Interface
- 300bps - 460kbps communication speed
- 7E1, 7O1, 8N1, 8E1, 8O1 frame
- Rs485 Automatic Data Direction Control (ADDC)

Wireless Features

- Quad Band GSM 850/900/1800/1900 Mhz
- 850/ 900 MHz - Class 4 (2 Watt)
- 1800/1900 MHz - Class 1 (1 Watt)
- GPRS Class 12
- 9.6 kbit/sec CSD
- SMA Antenna Connector
- Easy use push-n-eject SIM card connector and M2M SIM
- 2 Simcard Connector and 1 Embedded Simcard(Optional)
- Fully compatible with all GSM operators

Other Inputs / Outputs

- 2 x 250 VAC 2A Relay Output (NC/NO/Shared)
- 3 x Dry Contact Input (Standart)

Other Hardware Features

- ARM Microprocessor
- Real Time Clock (RTC)
- Built in Flash Memory
- Hardware Watchdog
- Multi SIM support, supports both M2M SIM and Regular SIM
- Integrated TCP/IP Stack, UDP/TCP/POP3/SMTP/HTTP/HTTPS/FTP support
- Can send alerts to central server by the help of supercapacitor in case of power cut-off (Optional)

JAVA Features

- JSR 139 CLDC 1.1
- J2ME IMP-NG
- JAVA OTAP
- SDT/HTTPS/SSC