MLB-G3001

Quad Band GSM/GPR Modem

➲ DATASHEET

MLB-G3001

Quad Band GSM/GPRS Modem

MLB-G3001 is quad band GSM/GPRS modem designed for RS-232 and USB communication over TCP/IP via readily available GSM/GPRS carrier network. Overall, it offers a more cost effective and time to market solution for bridging remote machine to machine over diverse locations without first having to invest and engineer a huge complex network.

MLB-G3001 uses the RJ45 connector to provide power and data communication interface. LEDs are used to indicate the status of the terminal.

MLB-G3001 can be used to provide wireless communications link for many applications, including metering, fleet and asset management, vending, security and alarm monitoring, e-maintenance and other telemetry applications.

Java Enabled

-40 ~ +75°C

Industrial Design

Features

- Java enabled

- Quad band GSM/GPRS

- Built in TCP/IP stack

- I/O reserved

- CE certification

MLB-G3001 Quad Band GSM/GPRS Modem

General Features	
Frequency Range	GSM/GPRS 850/900/1800/1900 MHz
Command Sets	Hayes 3GPP TS 27.007, TS 27.005
Protocol Stack	TCP/UDP/HTTP/FTP/SMTP
Power Supply Input	5~32VDC (MAX.)
Power Consumption	120mA @ Working Mode
	20mA @ Standby Mode
Humidity	5~95% (non-condensing)
Operating Temperature	-40~+75°C
Switch Off Protection	+90°C
Dimension (L)x(W)x(H)	94x75x21mm
	(excluding connectors)
Weight	92g (without antenna)
Casing Material	Plastic

Data Transmission	
GPRS	Multi-slot class 12
	Mobile station class B
	Downlink and uplink 85.6kbps (MAX.)
CSD	9.6 kbps, non-transparent, V.110
SMS	MT, MO, Cell broadcast, Text and PDU mode
Character Framing	7E1 and 8E1 (serial interface)

Special Features	
Internal Engine	Built-in Java profile IMP-NG
I/O Pin Reserved	13
MIM Supported	Yes

Interfaces	
RF Antenna Socket	50 Ohm SMA
Power Connector	RJ45 connector
SIM Card Slot	Push-push type
Serial Interface	RJ45 connect for RS-232 (female)
LED	1 x Power
	1 x Network Status Indicator

Reliability	
MTBF	2,529,437hrs

Approval	
Certification	**EMC**
	EN55022/24
	EMS
	IEC61000-4-2
	IEC61000-4-3
	IEC61000-4-5
	IEC61000-4-11
	RF
	EN301511
	Safety
	EN60950-1

Official Website

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