MLB-G3003-E

MLB-G3003-AUS

LTE Wireless Modem

➲ DATASHEET

MLB-G3003-E
MLB-G3003-AUS

LTE Wireless Modem

MLB-G3003 series is LTE Cat1 modem designed for RS232 and USB communication over TCP/IP via any readily available LTE 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-G3003 series uses the RJ45 connector to provide power and data communication interface. LEDs are used to indicate the status of the terminal.

MLB-G3003 series 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

- LTE Band Support

- Built in TCP/IP stack

- I/O Reserved

- CE certification

MLB-G3003 series LTE Wireless Modem

General Features

Frequency Range	MLB-G3003-E:
	    LTE : 700/800/900/1800/2100 MHz)
	    GSM : 900/1800 MHz
	MLB-G3003-AUS:
	    LTE : 700/850/900/1800/1800 MHz)
	    WCDMA : 850/900/2100 MHz

AT 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	TBD
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	TBD (without antenna)
Casing Material	Plastic

Data Transmission

LTE	LTE Cat.1 DL: 10.2 Mbps (MAX.) UL: 5.2 Mbps (MAX.)
GPRS	Multi-slot class 12 Mobile station class B DL: 85.6kbps (MAX.) UL: 85.6kbps (MAX.)
SMS	Text, cell broadcast, 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**
	    EN301489-1
	    EN301489-24
	
	RF
	    EN301908-1 (LTE)
	    EN301908-1 (UMTS)
	
	Safety
	    EN60950-1

Official Website

MLiS Website | www.schmidtm2m.com
Support | www.schmidtm2m.com/support
Download | www.schmidtm2m.com/download

Facebook | www.facebook.com/MLiSM2M

SCHMIDT
MAKES LIFE SIMPLE