

MLB-G1103

LTE Wireless Terminal

DATASHEET



MLiS, Your Best M2M Partner



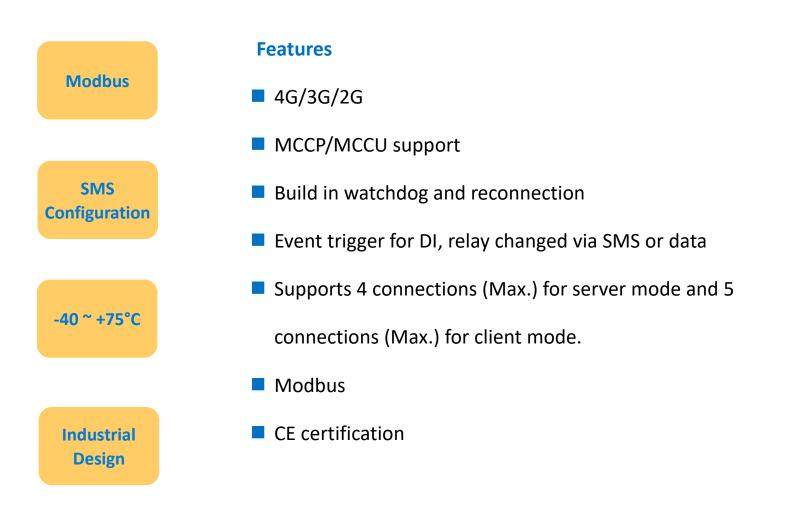
MLB-G1103

LTE Wireless Terminal

MLB-G1103 is a LTE wireless terminal designed for RS-232/422/485 communication over TCP/IP via any readily available LTE carrier networks. Overall, it is more cost and time effective to establish communications between machine to machine over diverse locations.

MLB-G1103 terminal uses DB9 connector as communication interface and the DC jack as power input. The LEDs are used to indicate the status of the terminal.

MLB-G1103 terminal can be used to provide wireless communications to link with different applications, including metering, fleet and asset management, vending, security and alarm monitoring, e-maintenance and other telemetry applications.



MLB-G1103 LTE Wireless Terminal

General Features	
Frequency Range	MLB-G1103:
	• LTE: 700/800/900/1800/2100 MHz
	 UMTS/HSPA+: 900/2100MHz
	 GSM/GPRS/EDGE: 900/1800MHz
Protocol Stack	TCP/UDP/FTP/HTTP/SMTP
Power Supply Input	5~42VDC
Power Consumption	Working Mode : 102 mA @12V
	Standby Mode : 29 mA @12V
Humidity	5~95% (non-condensing).
Operating Temperature	-40~+75°C
Switch Off Protection	+90°C
Dimension	119.5 x 89 x 26.9mm
(L) x (W) x (H)	(excluding connectors)
Weight	200g (without antenna)
Casing Material	Metal
Data Transmission	IVICIAL
LTE	DL:10.2 Mbps / UL:5.2Mbps (MAX.)
	LTE Cat.1
HSPA	DL 7.2Mbps, UL 5.7Mbps
	HSDPA Cat.8 / HSUPA Cat.6
	DL 384Kbps, UL 384kbps
GPRS/EPGR	GPRS:
	Multislot Class 12
	Full PBCCH support
	Mobile Station Class B
	EGPRS:
	Multislot Class 12
	EDGE E2 power class for 8 PSK
	 SRB loopback and test mode B
	PBCCH support
	Mobile Station Class B
SMS	 Point-to-point MT and MO
	Cell broadcast
	Text and PDU mode
Operating Mode	Transparent (TCP server/TCP client/
	UDP)
	TCP server/TCP client/UDP
	SMS/AT command
Serial Mode	RS-232/422/485
Serial Parameter	Data Bits: 7, 8
	Stop Bits: 1, 2
	Parity: None, Even, Odd
	Flow Control: RTS/CTS
	Flow Control: RTS/CTS

Relay	1 output with current carrying capacity o 2A @ 40VDC
Digital Inputs	2 electrically isolated inputs:
	+13~+30V for state "1" (on)
	+3~-30V for state "0" (off)
ESD Protection	15 KV
Heart Beat Packet	Yes
ID with Packet	Yes (32 Bytes MAX.)
Data Buffering	1 M
Data Delimiter	Yes
Event Trigger	GPRS/Reboot/IO/Relay
MCCP/MCCU	API : MLiS Cellular Control Protocol (MCCP)
,	Utility : MLiS Cellular Configuration Utility (MCCU)
Modbus	Yes
Interfaces	
RF Antenna Socket	50 Ohm SMA
Power Connector	DC jack connector
SIM Card Num	1
SIM Slot Type	Flip-up
Serial Interface	DB9 connector (male)
LED	6 x Working Status Indicator
	3 x Cellular Signal Indicator
Reset	HW Reset
Approval	
Certification	EMC
	EN55032/35
	RF
	EN301489-1
	EN301489-52
	EN62311
	Safety
	LVD 60950-1
	NCC
	PLMN10
	CNS13438
	CNS13438
	CNS14336-1