



MLB-G4201

3G ROUTER

[➔ DATASHEET](#)





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MLB-G4201 is a five-band UMTS/HSPA+ and universal quad-band GSM/GPRS terminal designed for 10/100M Ethernet communication over TCP/IP via any readily available 2G/3G carrier networks. Overall, it is more cost and time effective to establish communications between machine to machine over diverse locations.

MLB-G4201 terminal uses RJ45 connector as communication interface and the DC jack and terminal block as power input. The LEDs are used to indicate the status of the terminal.

MLB-G4201 terminal can be used to provide wireless communications to link with many applications, including IP surveillance, vending, security and alarm monitoring, e-maintenance and other telemetry applications.

2 Ethernet
Ports

-40 ~ +75°C

Industrial
Design

Features

- Five bands UMTS Quad-Band GSM/GPRS
- -40 ~ +75°C wide temperature in harsh environments
- MCCC/MCCU support
- 15 KV ESD protection
- NAT/Port forwarding
- Even trigger by GPRS/IO/Reboot/Relay
- SMS control
- CE/FCC certification

General Features

Frequency Range	UMTS (800/850/900/1900/2100 MHz GSM 800/900/1800/1900 MHz
Protocol Stack	TCP/IP, UDP, HTTP, HTTPS, FTP, DHCP, DDNS, ARP, Telnet, SMTP, SNMP
Power Supply Input	9~48VDC
Power Consumption	270mA @ Working Mode
Humidity	5~95% (non-condensing)
Operating Temperature	-40~+75°C
Switch Off Protection	+90°C
Dimension (L) x (W) x (H)	122x88x48mm (excluding connectors)
Weight	420g (without antenna)
Casing Material	Metal

Data Transmission

GPRS	Multi-slot class 12, Mobile station class B
EDGE	Multi-slot class 12
CSD	-9.6 Kbps, non-transparent, V.110
SMS	MT, MO, Cell broadcast, Text and PDU mode
Operating Mode	Transparent TCP Server/TCP client /UDP SMS/AT command

Relay	1 output with current carrying capacity of 2A @ 40VDC
Digital Inputs	2 electrically isolated inputs: +13~+30V for state "1" (on) +3~-30 V for state "0" (off)
ESD Protection	15 KV
Event Trigger	GPRS/Reboot/IO/Relay
NAT	Yes
Port Forwarding	Yes
IPSec	Yes
Open VPN	Yes
MCCP/MCCU	Yes API: MLIS Cellular Control Protocol (= MCCP) Utility: MLIS Cellular Configuration Utility (= MCCU)

Interfaces

RF Antenna Socket	50 Ohm SMA
Power Connector	DC jack connector
SIM Card Num	2
SIM Card Slot	Flip-up type
Ethernet Interface	2 x RJ45 connector for 10/100M
Serial Interface	DB9 connector (male)
LED	8 x Working Status Indicator 3 x Network Status Indicator
Reset	HW Reset

Approval

Certification	EMC EN55022/24 FCC Part 15B EMS IEC61000-4-2 IEC61000-4-3 IEC61000-4-4 IEC61000-4-5 IEC61000-4-6 RF EN301908-1 Safety EN60950-1 NCC
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