

MLB-G4201

Ethernet to 2G/3G Terminal

DATASHEET





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MLIS 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 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

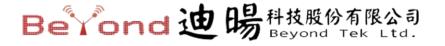
- Five bands UMTS (WCDMA/FDD)/Quad-Band GSM/GPRS
- -40 ~ +75°C wide temperature in harsh environments
- MCCP/MCCU support
- 15 KV ESD protection
- NAT/Port forwarding
- Even trigger by GPRS/IO/Reboot/Relay
- SMS control
- CE/FCC/NCC certification

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General Features	
Frequency Range	UMTS (WCDMA/FDD)
	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	Working mode: < 330mA
Humidity	5~95% (non-condensing)
Operating Temperature	-40~+75°C
Switch Off Protection	+90°C
Dimension	122x 88 x 48mm
(L) x (W) x (H)	(excluding connectors)
Weight	420g (without antenna)
Casing Material	Metal
Data Transmission	
GPRS	Multi-slot class 12, Mobile Station class
	В
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) and +3~-30 V for state "0" (Off)
ESD Protection	15 KV
Event Trigger	GPRS/Reboot/IO/Relay
NAT	Yes
Port Forwarding	Yes
IP Sec	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 (Female)
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

 $oldsymbol{*}$ Product specifications are subject to change without notice. Please contact us for further details.





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