



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
- M CCP/MCCU support
- 15 KV ESD protection
- NAT/Port forwarding
- Even trigger by GPRS/IO/Reboot/Relay
- SMS control
- CE/FCC/NCC certification

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 (L) x (W) x (H) | 122x 88 x 48mm (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) 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 |
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* Product specifications are subject to change without notice. Please contact us for further details.

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