

MG700 Global Router /Gateway

3G / 4G Gateway + VPN + Serial to WiFi + Relay

M2M Applications

Data Sheet



Model No. **MG700**

Feature

- 2G/3G/4G LTE in Option
- Support WiFi 802.11 b/g/n
- Support WiFi AP/WISP
- Battery Inside in Option
- Ejected MicroSD Card/SIM Card
- Mini-PCIe Expansion
- GPIO/Relay Contact Available
- Remote Control Management
- User-friendly GUI
- Robust ALL-IN-ONE Design with Cellular, WiFi & Support GPS, Bluetooth, Zigbee in Option

Description

The MG700 is a high performance and quality for M2M application. The MG700 is 3G/4G/WiFi gateway and support 3 serial port and functions to extend user's application. User can easy to setting from GUI interface and record data in micro SD card or USB storage. The MG700 supports battery for backup power to send the event immediately.

1. MG700 M2M Application



2. Hardware Specifications

| Hardware Specifications | | | | |
|--------------------------------|---|--------------------------------|--------------------------------|---|
| Main Chip | | | | |
| Core | MIPS24KEc,580MHz | | | |
| RAM | 1G bit DDR2 RAM | | | |
| Flash Memory | 128M Bit Flash | | | |
| Wireless | 802.11 b/g/n | | | |
| Antenna | 2T2R | | | |
| Linux OS | Linux 2.6.3 | | | |
| Cellular System | | | | |
| GSM Module (Option) | WCDMA/CDMA Combo (Option) | CDMA 1xRTT (Option) | WCDMA/UMTS (Default) | 4G LTE (Option) |
| Frequency (*See Appendix I) | WCDMA: 800/850/900/1900/ 2100MHz) CDMA : 850/900/1800/ 1900MHz | Band 2/Band5 (800/1900 MHz) | Band 2/Band1 (850/2100 MHz) | Band 13 Band7/20 |
| Uplink/Downlink | WCDMA: 5.76M/14.4 Mbps CDMA 1xRTT: 307.2/307.2 Kbps | 153/153 Kbps | 5.76/7.2 Mbps | Band13: 25/62 Mbps Band7/20: 50/100 Mbps |
| Connector | | | | |
| RJ45 | 2 Ethernet port(LAN and WAN) + 3 Serial Port or 3 LAN(option) | | | |
| TFlash/Micro SD | 1 | | | |
| USB Port | 1 | | | |
| SIM Card | 1 | | | |
| WiFi Antenna | 2 | | | |
| GSM Antenna | 1 | | | |
| GPIO/Relay | 2(Relay Normal Open) | | | |
| Specific | | | | |
| Battery | 1100mAH(Optional) | | | |
| Reset Button | 1 | | | |
| Switch | 2(1 for Power on/off, 1 for GPS Select) | | | |
| Temperature | -20°C ~ 65°C | | | |
| Dimension | 90 x 130 x 20mm | | | |
| Power | | | | |
| Power In | 12V | | | |
| Power consumption | Max. 2A | | | |

3. Software Specifications

| Item | Description | | |
|------|--|---------------------|--|
| 1 | Wireless Interface | Standard Compliance | IEEE 802.11 b/g/n |
| | | Transceiver Type | 2T2R |
| | | Mode | Activity(AP / Client mode) |
| | | Antenna | PIFA Antenna x 2 |
| | | Range | Up to 50 meters |
| | | Speed | Up to 300 Mbps |
| | | Wireless Security | 1. WEP 64 bit, WEP 128 bit, WPA, WPA2 2. Password protected access |
| 2 | Network | WAN | DDNS DHCP Static IP PPPOE 3G/4G Router WISP(Client WiFi) |
| | | LAN | Ethernet LAN ports DHCP server on LAN Static routing rules |
| | | VPN | IPSEC NAT-T and PPTP VPN pass-through. IPSEC Server supports 5-VPN client connection. VPN pass through Site-to-Site VPN |
| | | Events Reporting | • Event Types: Power • Report/Action Types: SMS, Email, SNMP Trap, Relay Output |
| 3 | SSID x 2 | | |
| 4 | WDS support 4 point | | |
| 5 | Serial to WiFi (TCP server/TCP Client/UDP mode) | | |
| 6 | Relay for GPIO control | | |
| 7 | Show 3G Signal strength on Web | | |
| 8 | System log | | |