

# M2M Wireless Router/Gateway

MG700



**The M2M Wireless Gateway/Router (Model No. MG700) is designed with 4G LTE, WiFi 802.11.b/g/n, Serial-to-LAN or LAN-to-LAN, WAN, GPS, Dual Relays/ GPIO, Micro SD Card, USB Storage, and Mini-PCIe expansion. Its user-friendly web GUI is easier for setting as Master/ AP/Client mode, serial-to-WiFi (UDP/ TCP), free DDNS, DHCP server on LAN, WDS/WISP, PPPoE, IPSEC/VPN security, manual or periodic setting for power or light on/off via relays and event log reporting.**



## APPLICATIONS

- Automotive and Transportation
- Smart Grid and Utilities
- Industrial and Commercial Applications
- Agriculture and Water Irrigation Management
- Remote Monitoring, SCADA, Telemetry
- Public Safety, Wireless, Video Data Stream, Fire
- Home Automation
- Defense

## FEATURE & BENEFITS

- 4G available options
- Robust ALL-IN-ONE design with Cellular, WiFi and GPS
- Comprehensive protocols supported
- Wireless/VPN security available
- Remote management function
- User-friendly GUI
- Compact and lightweight chassis design
- Wide operating temperature from -20°C to +65°C
- Cost-effective solution
- Customization orientation
- FCC & UL60950 Certified



## Hardware

CPU	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(option1)	WCDMA/CDMA Combo, WCDMA:800/850/900/ 1900/2100) / CDMA:850/ 900/1800/1900
Cellular System(option2)	CDMA 1xRTT/ Band 2/Band5(800/1900)
Cellular System(option3)	WCDMA/UMTS /Band 2/Band1(850/2100 MHz)
Cellular System(option4)	4G LTE Band 13/Band7/ 20Mbps, Band13: 25/ 62 Mbps/Band7/20Mbps

## Connector

RJ45	2port(LAN and WAN)
Serial Port	3 Port (RJ45 Type, support for GPS/Bluetooth/Zigbee, Option)
TFlash/Micro SD	1
USB Port	1
SIM Card	1
WiFi Antenna	2 (Option, Embedded or external )
Cellular Antenna	1 (Option, Embedded or external)
GPIO/Relay	2( Relay Normal Open)
Battery	1100mAH(Option)
Reset Button	1

## Mechanical

Dimension	90 x 130 x 20mm (WxLxH)
Weight	450g

## Power

Power In	12V or 36V (Option)
Power consumption	Max. 1A

## Software

### Wireless Interface

Standard Compliance	IEEE 802.11 b/g/n
Transceiver Type	2T2R
Mode	Activity(AP / Client mode)
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

## Networking

WAN	DDNS/DHCP/Static IP/PP POE/ 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 Log	Power, SMS, Email, SNMP Trap, Relay Output
SSID x 2	Yes
WDS * 4point	Yes
Serial to WiFi (TCP server/ TCP Client/UDP mode)	Yes
Relay for GPIO control X2	Yes

## FCC/ UL60950

Certified