

# M2M Wireless Router/Gateway

Rev. A



## FEATURE & BENEFITS

ACC M2M Wireless Gateway/ Router (**Model No. MG700**) which is designed with 4G LTE/ CDMA/ WCDMA, 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-PCle expansion. Besides the comprehensive hardware features, our 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 periodical setting for the power or light on/off via relays and event log reporting.

- ✓ 2G/3G/4G available options
- ✓ Robust ALL-IN-ONE design with Cellular, WiFi, BLE 4.0, and GPS
- ✓ Comprehensive protocols support
- ✓ Wireless/ VPN security available
- ✓ Remote management function
- ✓ User-friendly GUI
- ✓ Compact & light chassis design
- ✓ Wide operating temperature from -20 to +65 degree C
- ✓ Cost-effective solution
- ✓ Customization orientation
- ✓ FCC & UL60950 Certified

## M2M 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



## 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(Optional)
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/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 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
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