

# M2M Wireless Router/Gateway

A7000



The M2M Wireless Router/Gateway (Model No. A7000) is designed with 4G LTE (option), Wi-Fi (option), Serial-to-LAN or LAN-to-LAN, WAN, GPS, GPIO, Micro SD Card, USB Storage, and Mini-PCle expansion. Its user-friendly web GUI is easier for setting as Master/ AP/Client mode, serial-to-Wi-Fi (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
- ALL-IN-ONE design with Cellular, Wi-Fi, Bluetooth, LoRa and GPS
- Comprehensive protocols supported
- Remote management function
- User-friendly GUI
- Wide operating temperature from -40°C to +85°C
- ASA housing, IP68

## Platform

CPU (Cortex-M4F up to 200MHz)  
OS (FreeRTOS, Mbed OS, RT-Thread or Zephyr)



## Wireless/Networking

Wi-Fi 4/5/6 (option)  
BT/BLE (option)  
LoRa (option)  
4G LTE (option)  
Ethernet (10/100)

## Interface

LED power & network traffic (TX/RX) indicator  
USB 2.0  
RJ-45  
UART (RS-232/RS-422/RS-485)  
SPI, I2S, I2C  
CAN  
DAC/ADC  
CCIR656, EBI  
SD-HC

## Power

Power supply voltage : 12V/2A

## Dimension

150 \* 150 \* 55 mm