



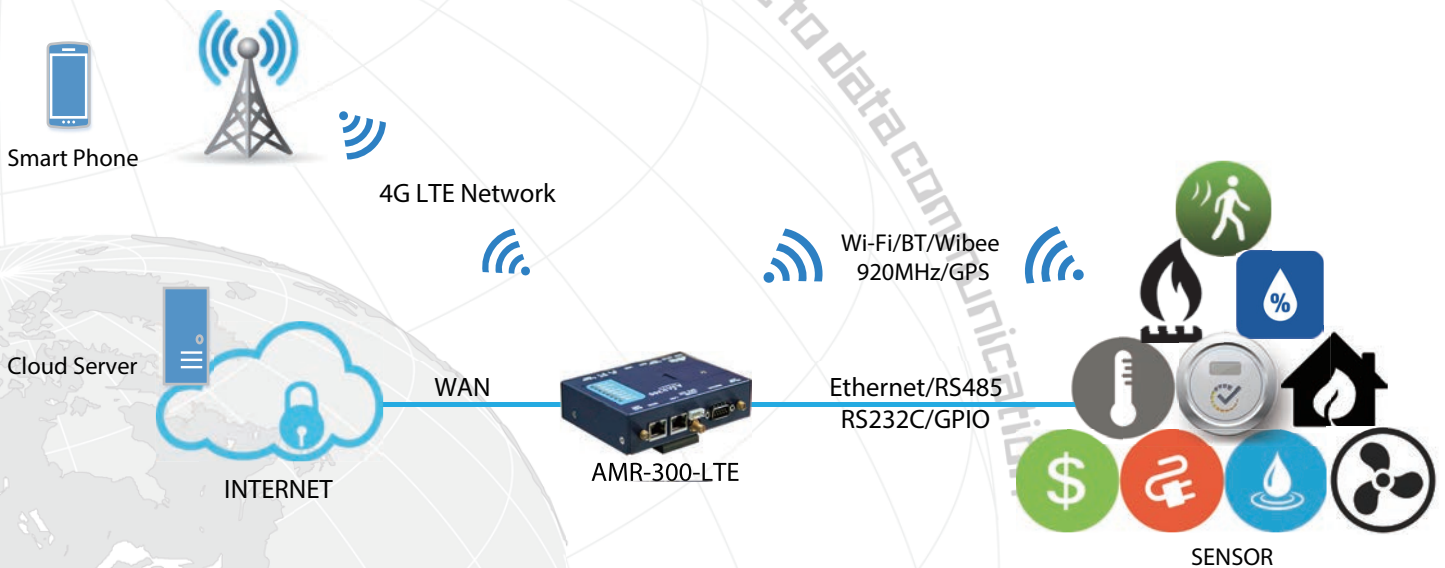
M2M Router

AMR-300-LTE

Description

The AMR-300-LTE is an intelligent 4G LTE M2M router designed for machine to machine application taking advantage of 4G LTE high speed and wide coverage. It also provides a WAN port for internet access. With various serial interfaces and serial-to-IP feature, the M2M router can perform telemetry, data acquisition and remote monitor. With VPN function, the router provides secure end-to-end communication.

Application



M2M Router AMR-300-LTE



Specification

Cellular connectivity

- Cellular band : LTE / HSPA+ / UMTS
- LTE data rate : DL 100 Mb/s, UL 50 Mb/s
- Keep alive
- Connect on demand / SMS
- Authentication : PAP / CHAP / AUTO

Network and Routing

- Static routing / RIP(v1/v2) / Port forwarding and DMZ
- Dynamic DNS
- WAN port : Static IP / PPPoE / DHCP client
- LAN port : NAT / DHCP server
- MAC / IP / Port filtering
- NTP client
- Serial-to-IP TCP server / client, UDP server / client
- Modbus TCP

Wireless LAN

- Standard : IEEE 802.11b/g/n compliant
- Data rate : Up to 300 Mbps
- 2 x 2.4 GHz detachable antenna
- Channel : 1~14 CH
- Frequency range : 2.4 GHz
- AP/AP+client mode
- 64/128-bit WEP/WPA/WPA2 security
- MAC address access control
- Provided up to 6 SSID groups
- IEEE 802.1x authentication
- WPS
- WDS
- WLAN isolation / Rate control
- IEEE 802.11e WMM supported

VPN

- PPTP / L2TP client
- IPSec tunnel

Management and Maintenance

- Access control
- Telnet, SSH, Web-based, MQTT, HTTPS, SNMP v1 / v2c and ATRIE NMSView
- CLI : Telnet / SSH
- Configuration backup/restore through HTTP
- Firmware upgrade by Web, FTP and TFTP
- Management session time out
- Auto-reboot

Switch button

- Factory default/ System software reset

Connectivity

- 1 x RJ45 IEEE 10/100 Base-TX LAN port
- 1 x RJ45 IEEE 10/100 Base-TX WAN port
- 1 x USB 2.0 host
- 1 x RS-232C
- 1 x RS-485 / Modbus RTU
- 1 x Micro SD card slot (32GB FAT32 MAX.)
- 2 x GPIO digital output / 2 x GPIO digital input
- GPIO control/monitor by SMS
- Bluetooth / Wibe / 920 MHz / GPS wireless (Option)

Antenna

- 2 x SMA connector for Wireless LAN
- 2 x SMA connector for Cellular
- 1 x SMA connector for GPS (Option)

Power Requirement

- 100~240VAC 50/60Hz to DC universal power adapter
- Power consumption : 15.0 Watt (Max.)

Physical Dimensions

- Metal housing : 117mm(L) x 86mm(W) x 38mm(H) with DIN rail Kit

Environment

- Temperature : -20°C to 75 °C
- Humidity : 0%~90%R.H. (Non-condensing).



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