

# A20M

## 4G LTE Router



### Overview

A20M is a small size 4G router with 2 Ethernet ports designed for industrial M2M/IoT applications. It provides secure and stable internet connectivity for industrial applications and dedicated to coffee machine, vending machine, SOHO, interactive advertising screen, lottery machine, smart lockers and more scenarios.

### Highlights



#### Connectivity

LTE Cat 1 & Cat 4 network access  
Predefined APN, one touch & ready to go



#### Stability

Network & System auto-recovery  
Industrial Class hardware Design



#### Industrial Design

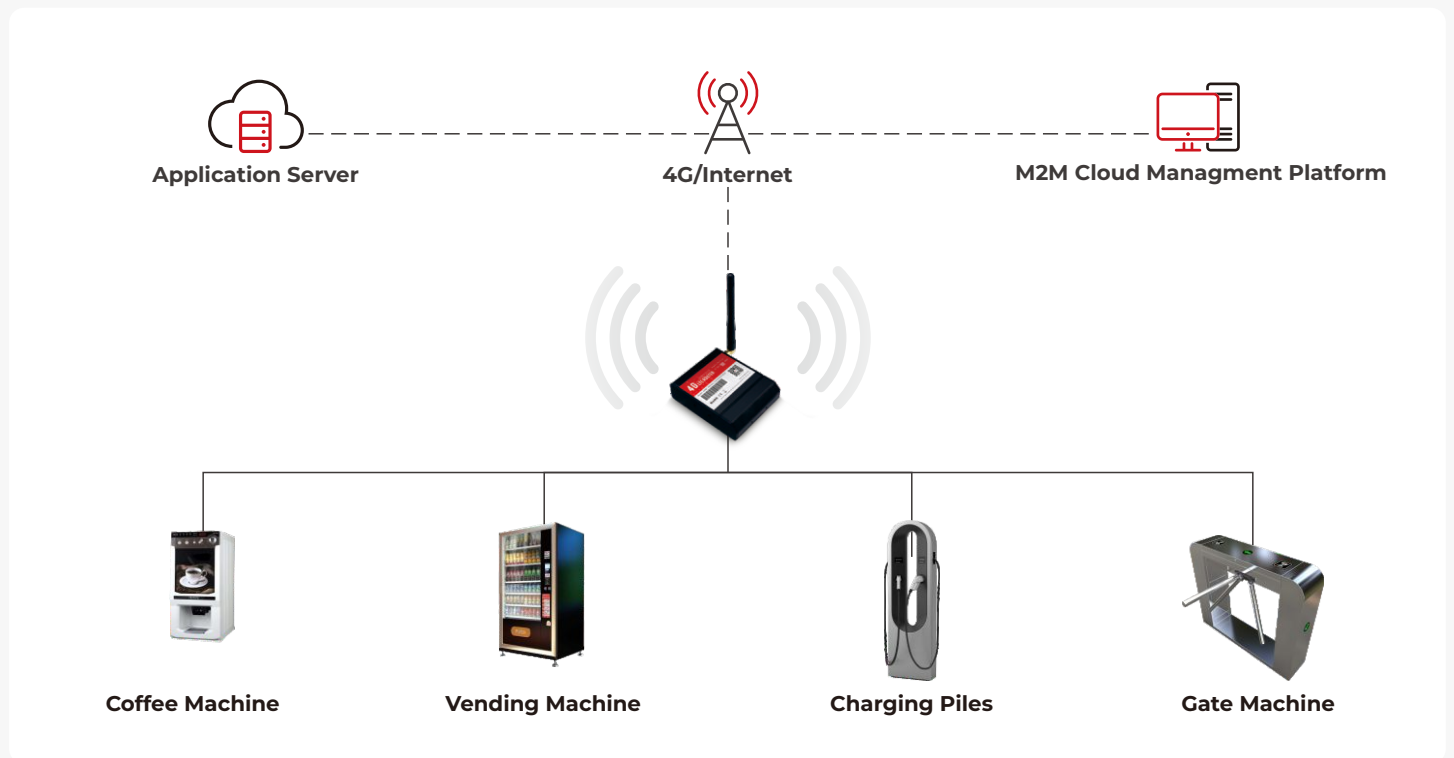
Smaller & lighter  
Alluminum Chassis for harsh-environment endurance



#### Cloud Maintenance

Remote managed by Wedora Cloud Server  
Remote access anytime anywhere

## Topology diagram



Coffee Machine Networking



Vending Machine



Smart Charging Pile



Smart City

## Features



**LTE Cat 1/Cat 4 network access**



**Compact & rugged design, made for IoT applications**



**L2TP/IPsec VPN for data encryption**

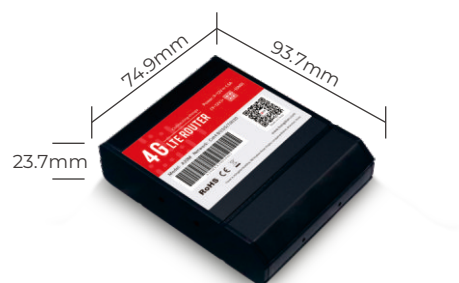
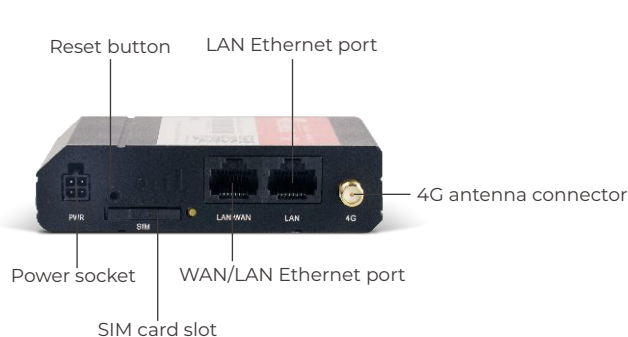


**Cloud based remote site router**

## Specification

Hardware			
CPU	Mediatek MIPS 24Kc 580 MHZ		
RAM	64MB	FLASH	8MB
Cellular Interface			
Modem	1 × LTE Cat 1 or Cat 4	SIM	1 × Mini SIM (2FF)
Number of Antennas	1 (MAIN)	Connector	SMA-K
Ethernet Interface			
Number of Ports	2 × 10/100 Mbps, Ethernet	Configuration	2 × LAN or 1 × LAN + 1 × WAN
Software			
Auto Fail-over	Between: Cellular and WAN		
Network Protocols	TCP, UDP, IPv4, IPv6, ICMP, NTP, DHCP, DNS, HTTP, HTTPS, SSL, ARP, PPPoE, SSH, Telnet, ICMP		
Routing	Static Routing, Policy routing		
Firewall	NAT, PAT, DMZ, Port Forward, IP/Domain/MAC Filter, Access Control List		
VPN	L2TP, IPSec		
Remote Management	HTTP, Telnet, SSH, Hongdian Wedora Cloud Platform		
Power Supply and Consumption			
Connector	4 pin socket	Voltage Input	+9V~+12V DC
Power Consumption	Idle: 100mA@12V DC, Data transceiving: 270mA@12V DC		
Others			
Reset Button	Yes	Hardware Watchdog	Yes
LED Indicators	1 network indicator, 4 signal quality indicators		
Physical Characteristics			
Ingress Protection	IP30	Housing & Weight	Aluminium housing, plastic panels , 120g
Dimension	93.7×74.9×23.7(mm)	Installations	Desktop, wall mounting and 35 mm DIN rail mounting
Operating Temperature	-30 ~ +75 °C	Storage Temperature	-40 ~ +85 °C
Relative Humidity	≤ 95%(no condensing)		

## Appearance









## Ordering info

Part No.	Network	Frequencies	Interface		Certifications (*In progress)	Regions
			SIM	RJ45		
A20M-L1-ENEA	LTE Cat 1	LTE-FDD: B1/3/7/8/20/28 WCDMA: B1/8 GSM: B3/8	1	2	CE, RoHS	Europe
A20M-L4-ENEA	LTE Cat 4	LTE-FDD: B38/B40 LTE-FDD: B1/B3/B5/B7/B8/B20 UMTS/HSPA+: B1/B8 GSM/GPRS/EDGE: 900/1800 MHz	1	2	CE, RoHS	EMEA, Thailand, India, Malaysia

\* For more detailed information about the frequency or any specific requirement, please contact your sales representative.

## Packing list

		
Packing Box	A20M 4G LTE Router	4G Magnetic SMA Antenna * Other type antennas available
		
Power Adaptor (EU type, 4-pin)	RJ45 Cable	A20M Installation kit