

A20M 4G Router

Specification



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1. Overview

A20M is 4G router with 2 x Ethernet, compact, robust and powerful device designed for industrial M2M/IoT applications. It provides security and stable Internet connectivity for Industrial applications and dedicated to SME & branches networking, self-service terminals, interactive advertising screen, lottery machine, smart locks and more scenarios.

2. Features

4G LTE

Cat.4 with up to 150Mbps DL & 50Mbps UL

Cat.1 with up to 10Mbps DL & 5Mbps UL

Global band optional

Easy integration

Standard DIN-Rail installation

Compact Design

Maintainability

Support Web/CLI/SNMP/Wedora Cloud platform management

Zero-traffic active platform management

Cloud OTA and monitoring

Connectivity

SDLAN for remote access anytime anywhere

Predefined APN, one touch & ready to go

Stability

Hardware watchdog

Industrial class

SIM hot plug and network self-recovery

Networking

MQTT/ICMP/NAT/DMZ/Port Forward Supports

PPTP/L2TP/GRE/IPSec/OpenVPN/DMVPN/EzVPN Supports

3. Hardware

Model	A20M	Quectel EG91/EG95 modem inside
Cellular	4G Cat.4 DL up to 150 Mbps, UL up to 50Mbps	LTE-FDD: B1/ B3/ B7/ B8/B20/ B28 WCDMA: B1/B8 Global band optional
	4G Cat.1 DL up to 10 Mbps, UL up to 5Mbps	LTE-FDD: B1/ B3/ B7/ B8/B20/ B28 WCDMA:B1/ B8 Global band optional
Connectors	1 x 4G SMA	SMA-K
	1 x External SIM holder	2FF
	1 x Reset	Reset
	2 x Ethernet	10/100Mbps
Status LEDs	1 x System status 2 x Ethernet status 3 x Cellular strength	
Power supply	+12V	4 pin DC
Power consumption	Standby power consumption	About 100mA@12V DC
	Working power consumption	About 270mA@12V DC
Housing	Aluminium housing, plastic panels	
Weight	About 120g	
Dimensions	93.7×74.9×23.7(mm)	(without power connector and bracket)
Operating temperature	-30 ~ +75°C	
Storage temperature	-40 ~ +85°C	
Relative humidity	≤95%	no condensing

Note: Communication power consumption is affected by network signal strength and module network mode.

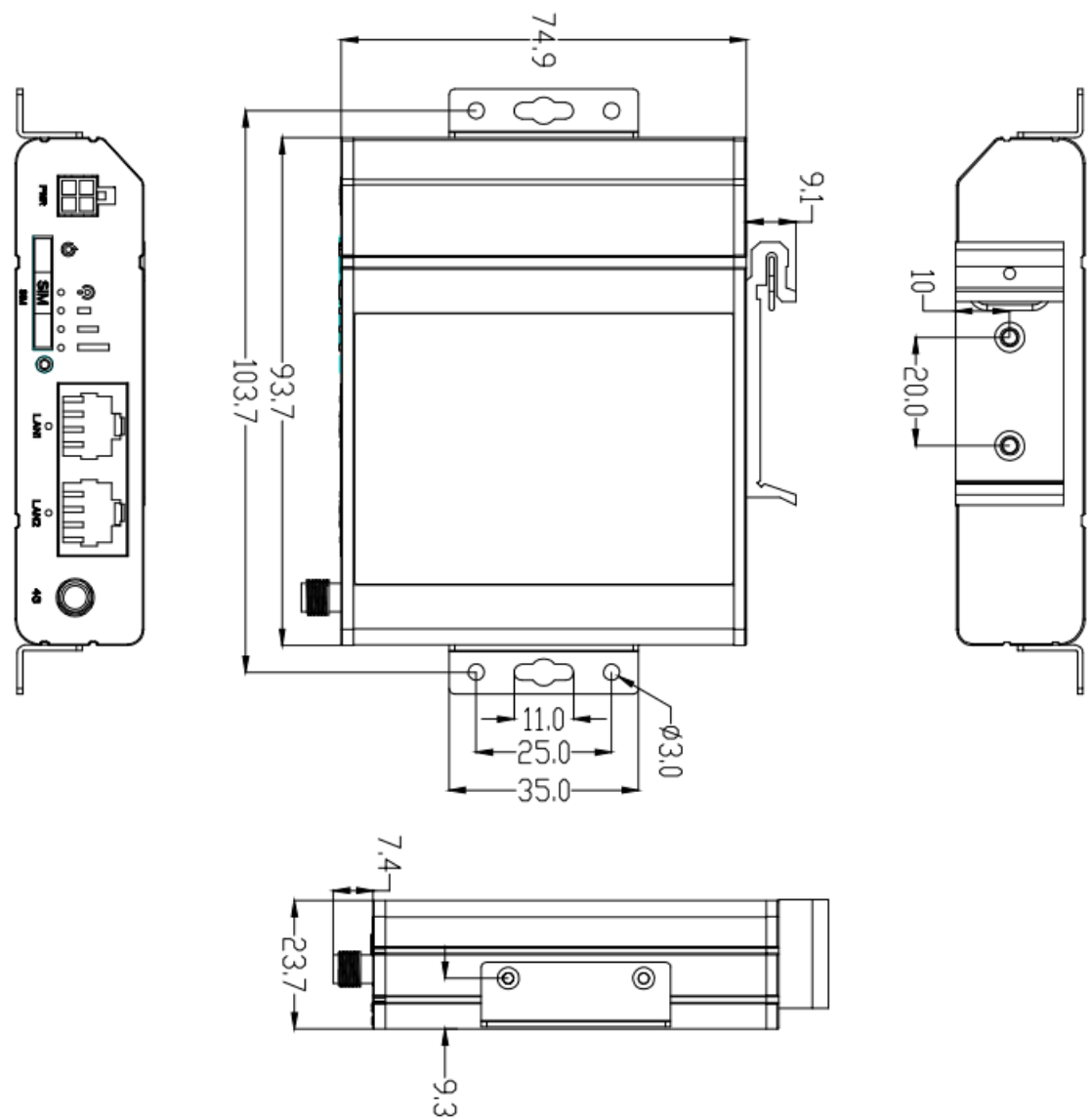
4. Software

One Touch	Predefined config & self-adaptive PDN, auto connect 4G cellular network
Network protocols	TCP, UDP, IPv4, IPv6, ICMP, NTP, DHCP, DNS, HTTP, HTTPS, SSL, ARP, PPPoE, SSH, Telnet, SNMP, ICMP
Firewall	NAT, PAT, DMZ, Port Forward IP/Domain/MAC Filter Access Control List (ACL)
Routing	Static Routing, Policy routing, Optional (RIP, OSPF and BGP)
Connection monitoring	ICMP Reboot, Periodic Reboot, PING Reboot, Remote Reboot, LCP and ICMP for link inspection
Connection Auto-Recovery	Hardware watchdog, Heartbeat, Self-diagnostic, Auto-recover
Management	WEB UI, SSH, SMS, SNMP, MQTT, Telnet, Cloud Platform
Upgrade	WEB/TFTP/FTP, Cloud OTA
Cloud Platform	Statistics, Location, Group Management, IPFix, Alarm by email, Device/Platform log record, Batch config/upgrade, Traffic monitor, Secure remote access to application device

5. Dimensions

Unit: mm





6. Panel indicators

Indicator LEDs	Status description
NET	Steady on: Dial-up successful, access to 3G/4G network Slow flash:Dial-up successful, access to 2.5G network Fast flash:Dialing Off:Module not found or dialing disabled
RF	3 lights: signal value 21~31, excellent 2 lights: signal value 11~20, medium 1 lights: signal value 1~10, poor Off: signal value 0, no signal