

Datasheet

A50M 5G Industrial Gateway



Content

Content.....	1
1. Overview.....	3
2. Feature.....	3
Data Collection.....	3
5G NR Ready.....	3
Compact Design.....	3
Compatibility.....	4
Maintainability.....	4
Sercuity.....	4
3. Spec.....	4
4. Size.....	6
5. Panel indicators.....	7

1. Overview

A50M is 5G industrial Gateway with 2 x Gigabits Ethernet, , compact design for specify application such as AGV, video upload robotic arm control, in those application customers needs common features: maximum UL speed and tiny size, A50M provides maximum upload bandwidth with fewer antennas low to just 2 antennas, easy the installation under in factory or industrial field. We designed different antennas like panel, stick, ceiling .etc for specific scenes, provide connectivity to support 8k video upload real-time with ultra low latency.

2. Feature

Data Collection

2*100/1000Mbps LAN

RS232+RS485

TF storage

5G NR Ready

13 bands support of 5G

SA/NSA compatible

Maximum uplink optimize

Designed for URLLC & EMBB business

Compact Design

Compact size and full 5G feature

2 to 6 antennas fits various case

Qualcomm solution

IPQ40X9 series chipsets

Qualcomm X55 modem

Compatibility

Compatible with 4G Cat 20

Support 5G SA & NSA

Maintainability

Support Web/CLI/SNMP/Wedora Cloud platform management

Cloud OTA and monitoring

Sercuity

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

IP/Domain/MAC Filter/Access Control List (ACL)

3. Spec

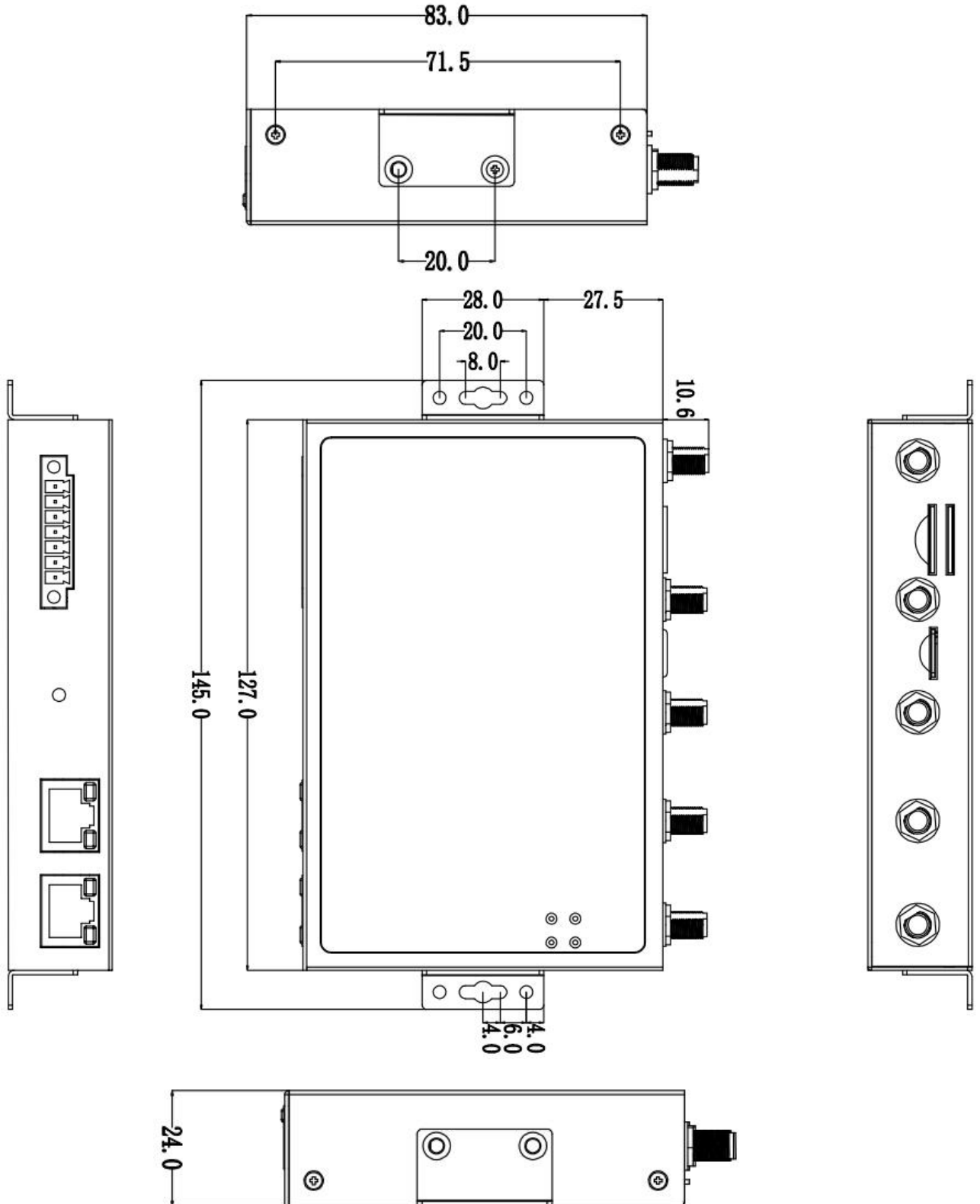
Spec	Instruction	Remark
Model	A50M NR	
Network	Global	5G NR(4x4 MIMO): n41/n77/n78/n79 LTE-FDD: B1/B3/B5/B7/B8/B20/B28 LTE-TDD: B34/B38/B39/B40/B41
	EMEA	5G NR(4x4 MIMO): n41/n78/n79 LTE-FDD: B1/3/5/8

Spec	Instruction	Remark
		LTE-TDD: B34/38/39/40/41
Interface	antenna interface	4G/5G antenna*4: SMA-K female Wi-Fi antenna*1: SMA-K female
	SIM card	SIM*2
	TF	TF card*1
	Reset	Reset button
	Ethernet	1*10/100/1000Mbps LAN 1*10/100/1000Mbps LAN/WAN
Power supply	Operating Voltage	+5V~24V DC
Working power consumption	Standby power consumption	About 350mA@12V DC
	Working power consumption	<1.3A@12V DC
Others	Weight	About 287g
	size(without power connector and bracket)	127×83×24(mm)
	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. Size

Unit: mm



5. Panel indicators

Indicator name	Status description
WIFI	Steady on: WIFI on Off: WIFI off Flash: Data communication
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	Steady on: signal value 21~31 Slow flash: signal value 11~20 Fast flash: signal value 1~10 Off: The signal value is 0.
SYS	Steady on: The system is normal Off: The light is off within 10 seconds of power-on or during the restart, indicating that the system has not started successfully.