Model:UT-9102

4G Router (1WAN+1LAN)

Datasheet

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1. Overview

UT-9102 is an industrial 4G router integrated with 3G/4G and WIFI. It supports 4G network communication, provides with 1 WAN port and 1 LAN port, 10M/100M, auto negotiation. It supports 4G network, wired connection, and router mode access. The WEB configuration interface is user-friendly; this is convenient for user configuration management, greatly reduce the difficulty. With high industrial standard design, this router is widely used in the field of industrial control, data communication system and industrial automation.

2. Main functions, features

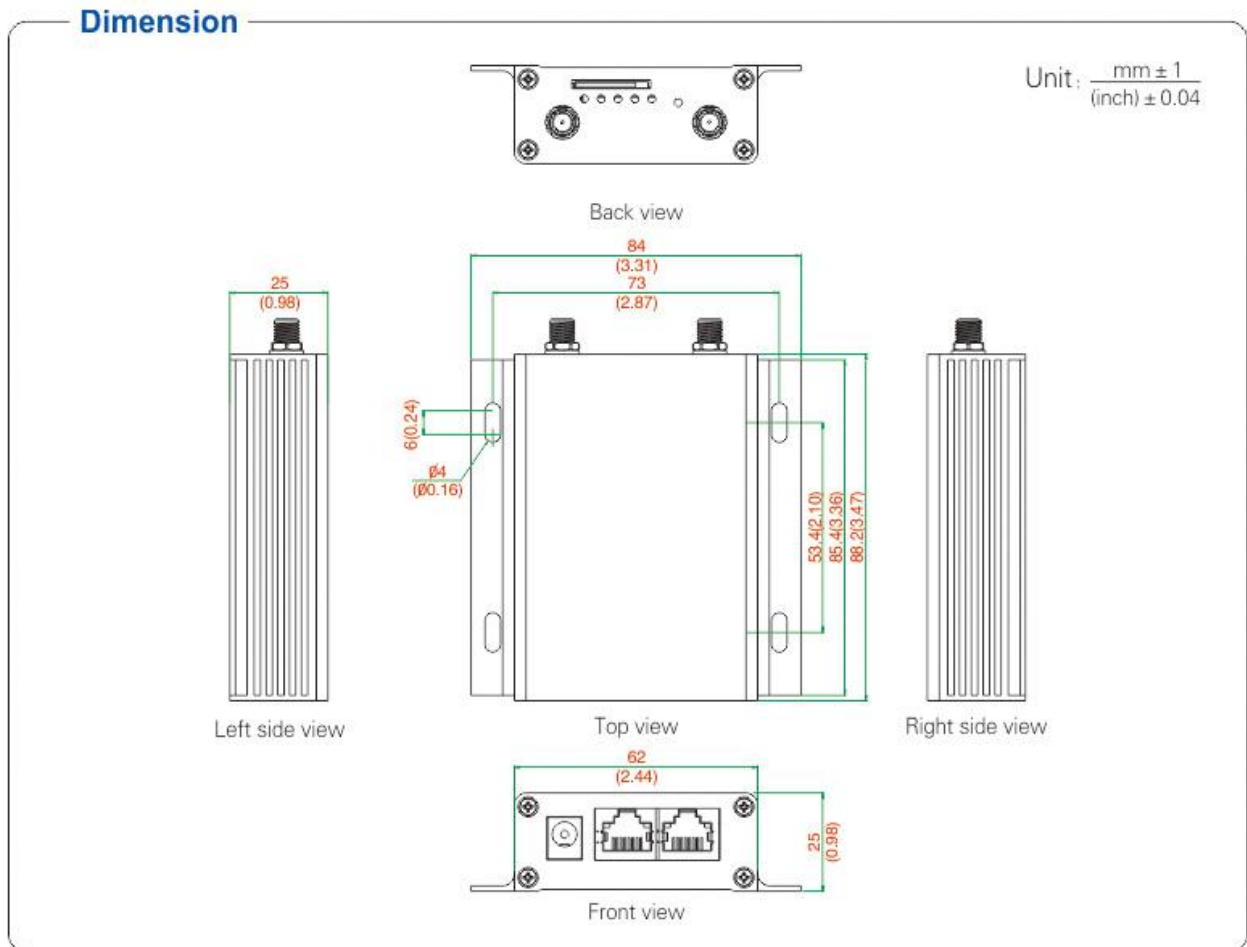| Hardware Configuration	CPU	AR9331
	FLASH	16MB
	DDR	64MB
	WIFI	1*1 supports IEEE 802.11b/g/n protocol
	4G module	Support all-networking 7 modes (LTE-TDD Band 38/39/40/41 ; LTE-FDD Band 1/3/5/7/8)
	Antenna	WiFi: 1 external 5dBi omni-directional antenna 2.4G
		4G: 1 external 5dBi omni-directional antenna
Whole machine Interface	Network interface	1 10/100M adaptive LAN ports (Auto MDI/MDIX)
		1 10/100M adaptive WAN port (Auto MDI/MDIX)
	Indicator light	3 Green LED indicators POWER, 4G, WIFI
	SIM	Support 1 full network 4G, standard large card 25*15mm
	Light touch button	1 system restore factory settings button
	Electricity supply	1 DC power input connector (DC input 12V)
Protocol Standards	Support	IEEE 802.11b/g/n,IEEE 802.3/3u

3. Technical Parameters

	Modulation method	OFDM/BPSK/QPSK/DQPSK/DBPSK
	RF frequency range	2412 GHz ~ 2472 GHz
	Wireless Channel	2.4GHz Channel： 1,2,3,4,5,6,7,8,9,10,11,12,13
	Transmission rate	11b: 11M, 5.5M, 2M, 1Mbps
		11g: 54M, 48M, 36M, 24M, 18M, 12M, 9M, 6Mbps
		11N:6.5M, 13M, 13.5M,19.5M, 26M,27M, 39M, 40.5M,52M, 54M,58.5M, 65M,81M,108M,121.5M,135M,150Mbps

	Output power	IEEE 802.11b	11Mbps		20.0 ± 2.0dBm
		IEEE 802.11g	6Mbps(-25@EVM)		18.0 ± 2.0dBm
			54Mbps(-25@EVM)		16.0 ± 2.0dBm
			HT20 (-28@EVM)	MCS 7	14.0 ± 2.0dBm
			HT40 (-28@EVM)	MCS 7	14.0 ± 2.0dBm
	Sensitivity	IEEE 802.11b	1Mbps		≦-89dBm
		IEEE 802.11g	6Mbps		≦-88dBm
			54Mbps		≦-68dBm
			HT20	MCS 7	≦-65dBm
			HT40	MCS 7	≦-63dBm
Operating Environment	Operating temperature	-35 ~ 70°C			
	Operating humidity (non-condensing)	10%~95% RH			
	Storage temperature	-40~80°C			
	Storage humidity (non-condensing)	10%~95% RH			
	Environmental Protection	RoHs Compliance			

4. Product View (Appearance)

6. Structure Dimensions

7.Ordering Information

Model	Signal/ Interface				Communication Rate	Operating Environment		Power
	4G	WIFI	Network port			Temperature	Humidity	
	SMA	SMA	LAN	WAN		-20~70℃	5~95%	External power
UT-9102	1	1*2.4G	1	1	10/100M	√	√	DC 12V
UT-9102-24V	1	1*2.4G	1	1	10/100M	√	√	DC 24V