Model:UT-9110

4G Router(1WAN+4LAN)

Datasheet

1. Overview

UT-9110 is an industrial 4G router integrated with 3G/4G and WIFI. It supports 4G network communication, provides with 1 WAN port and 4 LAN ports, 10M/100M, auto negotiation. It supports 4G network, wired connection, WIFI, 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 and the surge protection, this router is widely used in the field of industrial control, data communication system and industrial automation.

2. Main functions, features

Hardware Configuration	CPU	QCA9531 Main Frequency 650MHz
	FLASH	16MB
	DDR	128MB
	2.4G WIFI	2*2 supports IEEE 802.11b/g/n protocol, up to 300Mbps
	4G module	Supports LTE-TDD Band 38/39/40/41, LTE-FDD Band 1/3/5/7/8
	Antenna	WIFI: External 5dBi omni-directional antenna
		4G: External 5dBi omni-directional suction cup antenna
	Heat sink	Berry Pie type high quality aluminum radiator
Whole machine Interface	Network interface	4 10/100M adaptive LAN ports (Auto MDI/MDIX)
		1 10/100M adaptive WAN port (Auto MDI/MDIX)
	Indicator light	8 Green LED indicators POWER, 4G, WIFI, LAN1, LAN2, LAN3, LAN4，WAN
	SIM	Support 1 full network 4G, standard large card 25*15mm
	Light touch button	1 system restore factory settings button
	Electricity supply	1 power input connector (DC input 12V)
Protocol Standards	Support	IEEE 802.11b/g/n, IEEE 802.3/3u

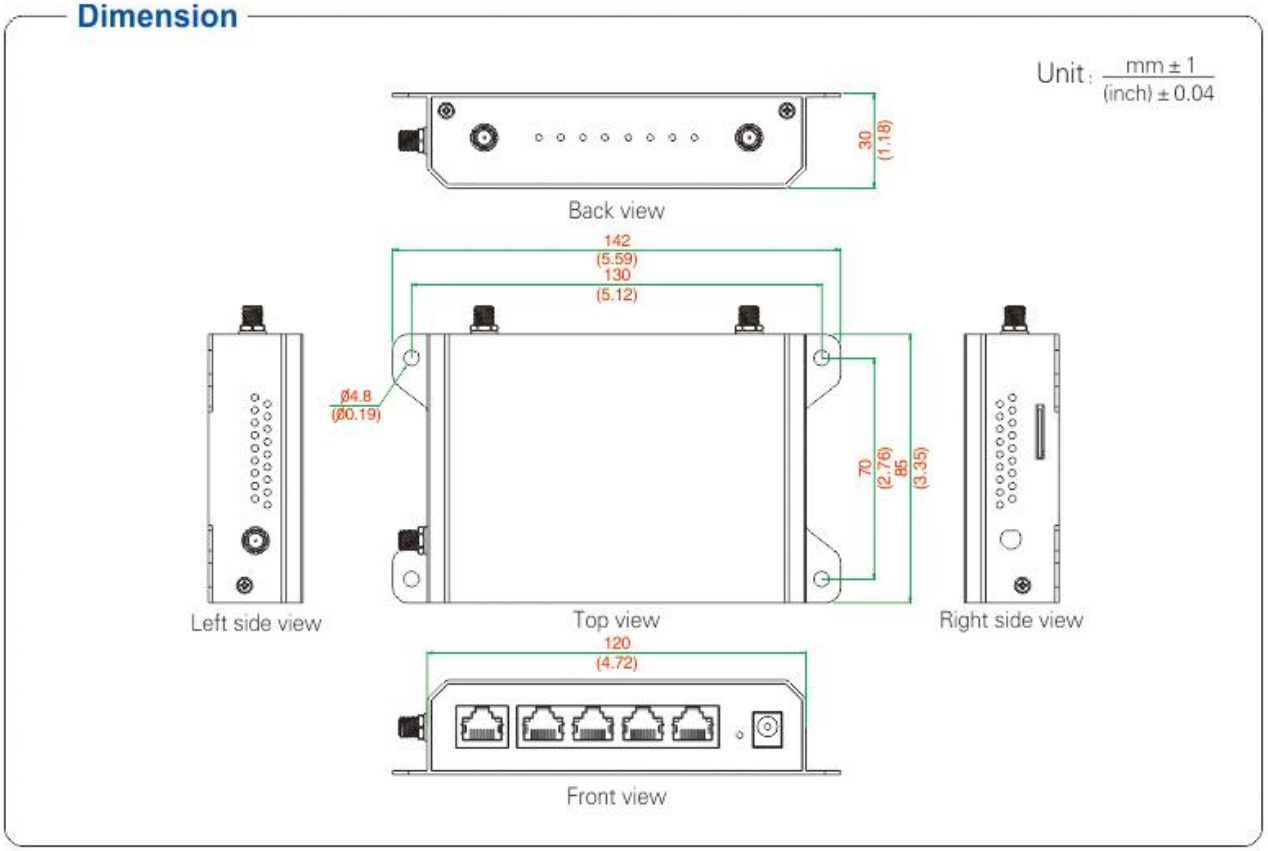
3. Technical Parameters

Wireless 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

		HT20:6.5M, 13M, 19.5M, 26M, 39M, 52M, 58.5M,65M,13M,26M,39M,52M,78M,104M,117M 81M, 104M, 108M, 117M,130M			
		HT40:13.5M,27M,40.5M,54M,81M,108M,121.5M,135M,27M,54M,81M,108M,162M,216M,243M,270M			
	Output power	IEEE 802.11b	11Mbps(-22@EVM)		20.0 ± 2.0dBm
		IEEE 802.11g	6Mbps(-25@EVM)		18.0 ± 2.0dBm
			54Mbps(-25@EVM)		17.0 ± 2.0dBm
		IEEE 802.11n	HT20(-28@EVM)	MCS 0-3	18.0 ± 2.0dBm
				MCS 4	17.0 ± 2.0dBm
				MCS 5	16.0 ± 2.0dBm
				MCS 6	15.0 ± 2.0dBm
				MCS 7	14.0 ± 2.0dBm
			HT40(-28@EVM)	MCS 0-3	18.0 ± 2.0dBm
				MCS 4	17.0 ± 2.0dBm
				MCS 5	16.0 ± 2.0dBm
				MCS 6	15.0 ± 2.0dBm
				MCS 7	14.0 ± 2.0dBm
	Sensitivity	IEEE 802.11b	1Mbps		≤ -93dBm
		IEEE 802.11g	6Mbps		≤ -90dBm
			54Mbps		≤ -76dBm
		IEEE 802.11n	HT 20	MCS 0	≤ -86dBm
				MCS 7	≤ -68dBm
			HT 40	MCS 0	≤ -85dBm
				MCS 7	≤ -66dBm
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-9110	1	2*2.4G	4	1	10/100M	√	√	DC 12V