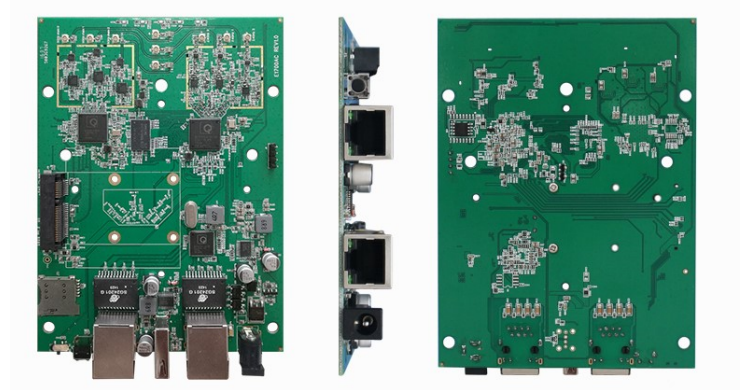




Support LTE Module



- 450 Mbps (2.4ghz) + 1300 Mbps 5GHz a/N/c

- IEEE 802.3at PoE Supported

Gigabit Speed

- 1 x 10/100/1000Mbps RJ45 LAN ports

Key Features

- ✓ Comply with IEEE 802.11ac/b/g/n, dual band, 1750Mbps Data Rate
- ✓ 10/100/1000Mbps WAN/LAN Port, faster Ethernet gigabit speed.
- ✓ 16M Flash, 128M DDR2 RAM, more user, more stable
- ✓ Support IEEE 802.3at PoE standard
- ✓ Support SSID broadcasting, Multi SSID
- ✓ Support Gateway (PPPOE, static IP, dynamic IP), Wireless AP, Repeater, WISP operation mode
- ✓ With function of build in firewall, IP filter, URL filter and MAC filter
- ✓ Comply with IEEE 802.3az standard, beamforming technology, RF power adjustment and frequency
- ✓ Support DDNS, VPN pass through, Port forwarding and DMZ host
- ✓ Support 64/128-bit WEP security, 128bit WPA (TKIP/AES) security
- ✓ Based at OpenWRT version

Technical Specifications			
Hardware			
Chipset	CPU: QCA9563 RF: AR9882		
Standard	IEEE802.3u MDI / MDIX 10/1000 Fast Ethernet IEEE802.11a / b / g wireless LAN interface IEEE 802.11n / ac wireless LAN standard		
Memory	128M DDR		
Flash	16M		
PoE Power supplier	15-24V or 802.3af standard		
CPU clock speed	775MHz		
Cable Interface	2 wired ports		
Ethernet	10/100/1000Mbps		
Reset button	Restore the device to factory settings		
Power requirements	12VDC@2A		
RF Power	5.8G,29dBm(1000mW);2.4G,29dBm(1000mW)		
Transmission rate	11a/g: 54M, 48M, 36M, 24M, 18M, 12M, 9M, 6Mbps HT20:7.2M,14.4M,21.7M,28.9M,43.3M,57.8M,65M,72.2M,14.4M,28.9M,43.3M,57.8M,86.7M,115.6M,130M,144.4M HT40:15M,30M,45M,60M,90M,120M,135M,150M,30M,60M,90M,120M,180M,240M,270M,300M,450M HT80:900M,1300M		
Transmission	Direct Sequence Spread Spectrum (DSSS)		
Modulation	OFDM/BPSK/QPSK/CCK/DQPSK/DBPSK		
MiniPCE-E	9.0H 52pin MiniPCI-E		
SIM slot	Micro Sim		
Software	OpenWRT		
RF frequency range	2.4GHz / 5.180 GHz ~ 5.850 GHz		
Output Power	802.11bg	6-24Mbps	24.5 ±1.5dBm
		36-48Mbps	24.0 ±1.5dBm
		54Mbps	23.0± 1.5dBm
	802.11n	MCS 0-3	23.0 ±1.5dBm
		MCS 4	21.0 ±1.5dBm
		HT20 MCS 5	20.0±1.5dBm
		MCS 6	19.0±1.5dBm
		MCS 7-9	18.0±1.5dBm
		HT40 MCS 0-1	26.0 ±1.5dBm
		MCS 3-5	24.0±1.5dBm
		MCS 7-9	22.0±1.5dBm
	802.11ac	HT80 MCS0-3	29±1.5dBm

Technical Specifications			
Sensitivity	IEEE 802.11GN		
	14.4Mbps ≧ -97dBm	2*2	120Mbps ≧ -92dBm
	28.4Mbps ≧ -97dBm		180Mbps ≧ -90dBm
	43.3Mbps ≧ -96dBm		240Mbps ≧ -87dBm
	57.8Mbps ≧ -95dBm		270Mbps ≧ -84dBm
	86.7Mbps ≧ -92dBm		300Mbps ≧ -79dBm
	11.5Mbps ≧ -89dBm	3*3	135Mbps ≧ -95dBm
	130Mbps ≧ -86dBm		180Mbps ≧ -92dBm
	144.4Mbps ≧ -81dBm		270Mbps ≧ -90dBm
			360Mbps ≧ -87dBm
	450Mbps ≧ -79dBm		
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, 450M HT80: 866M,1299M		
Sensitivity	IEEE 802.11ac 2*2		IEEE 802.11ac 3*3
	65Mbps ≧ -97dBm	195Mbps ≧ -96dBm	
	130Mbps ≧ -96dBm	292.5Mbps ≧ -95dBm	
	195Mbps ≧ -95dBm	390Mbps ≧ -92dBm	
	260Mbps ≧ -92dBm	585Mbps ≧ -90dBm	
	390Mbps ≧ -90dBm	780Mbps ≧ -87dBm	
	520Mbps ≧ -87dBm	877.5Mbps ≧ -84dBm	
	780Mbps ≧ -77dBm	1170Mbps ≧ -77dBm	
	866.6Mbps ≧ -75dBm	1299.9Mbps ≧ -75dBm	

Technical Specifications		
RF Power	IEEE 802.11ac	
	HT 40 2*2	HT 80 3*3
	130Mbps ≧ 26dBm	97.5Mbps ≧ 29dBm
	260Mbps ≧ 25dBm	195Mbps ≧ 29dBm
	390Mbps ≧ 24dBm	390Mbps ≧ 28dBm
	520Mbps ≧ 23dBm	585Mbps ≧ 27dBm
	585Mbps ≧ 22dBm	780Mbps ≧ 26dBm
	650Mbps ≧ 22dBm	877.5Mbps ≧ 25dBm
	780Mbps ≧ 21dBm	1170Mbps ≧ 24dBm
	866.6Mbps ≧ 21dBm	1299.9Mbps ≧ 24dBm
Size and Weight		
Dimensions	260(L)x230(W)x50(H)mm	
Weight	4 KG	
Environmental specifications		
Operating temperature	-20~+55°C	
Operating humidity (non-condensing)	10%~95% RH	
Storage temperature	-40~+85°C	
Storage humidity (non-condensing)	10%~95% RH	
Environmental Protection	Follow RoHs standards	