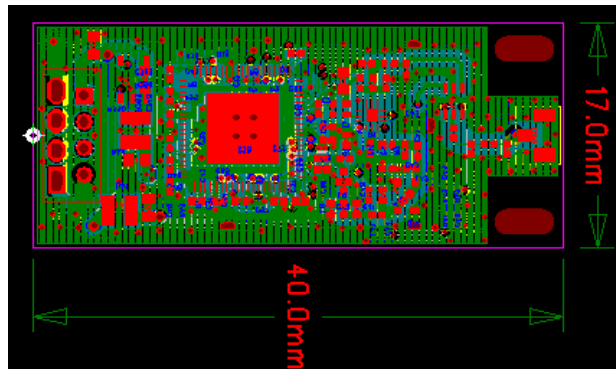


JW801M0N_RT3070_WiFi Module SPEC



1. Product description:

This Wireless N WiFi Module complies with IEEE 802.11n (Draft 2.0), IEEE 802.11g, and IEEE 802.11b standards. Wireless transmission rates can reach up to 150Mbps. At the same time, CCA technology automatically avoids channel conflicts using its channel selection feature. This product supports 64/128 WEP encryptions, as well as WPA/WPA2 and TKIP,AES encryptions and mechanisms in addition to the adapter's QSS (Quick Secure Setup) feature, allowing users to quickly and easily setup wireless security. This product can also simultaneously operate bandwidth intensive applications such as voice, and video. Applications using a lot of bandwidth that are sensitive to interruptions such as voice and video applications are given priority in order to assure quality. It also works well with other 11g and 11n protocol wireless products.

2. Product features:

- 2.1 Provides two methods of operation: Infrastructure and Ad-Hoc.
- 2.2 Adopts 1T0R1R technology for wireless rates of up to 150Mbps.
- 2.3 Adopts CCA technology which automatically avoids channel conflicts using its channel selection feature
- 2.4 Quick Secure Setup, complies with WPS for worry free wireless security
- 2.5 Supports 64/128 WEP, complies with 128 bit WPA standard(TKIP/AES), Shared Key Authentication, IEEE 802.1X.
- 2.6 Simple Configuration and monitoring.
- 2.7 Supports Roaming technology, guaranteeing efficient wireless connections.
- 2.8 Supports Windows 2000/XP/Vista/win7/LINUX OS

3. Product specifications:

Software Specification	
Standards	IEEE 802.11n(draft 2.0), IEEE 802.11g, IEEE 802.11b, CSMA/CA with ACK
Wireless Signal Rates With Automatic Fallback	11n: 150/130/81/54/40.5/27/13.5Mbps 104/78/52/39/26/13Mbps 65/58.5/52/39/26/19.5/13/6.5Mbps 11g: 54/48/36/24/18/12/9/6M (adaptive) 11b: 11/5.5/2/1M (adaptive)
Frequency Range	2.4-2.4835GHz
Wireless Transmit Power	15dBm@11g
Modulation Type	OFDM/CCK/16-QAM/64-QAM
Receiver Sensitivity	150M: -70dBm@10% PER 54M: -70dBm@10% PER 11M: -88dBm@8% PER 6M: -92dBm@10% PER 1M: -95dBm@8% PER
Security	64/128/152 bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK (TKIP/AES)
Support Operating System	Windows 2000/XP/Vista/Win7/Linux
Hardware Specification	
Interface	USB 2.0 Inter face, with 6 2.0mm pin header
Antenna Type	PIFA or external antenna selection
Certifications	CE, FCC
Operating temperature	0°C~40°C (32°F~104°F)
Storage temperature	-40°C~70°C (-40°F~158°F)
Relative humidity	10% ~ 90%, non condensation
Storage Humidity	5%~95% non-condensing
Dimensions	40.0X17X1mm

4. Pin defenition:

- ✓ 1. J1_1 and J2_1 is VCC Input, optional for 3.3 or 5.0V input.
- ✓ 2. J1_2 and J2_2 is UDM, USB data- signal pin;
- ✓ 3. J1_3 and J2_3 is UDP, USB data+ signal pin;
- ✓ 5. J1_4 and J2_4 is GND, WiFi Module Grounding pin;