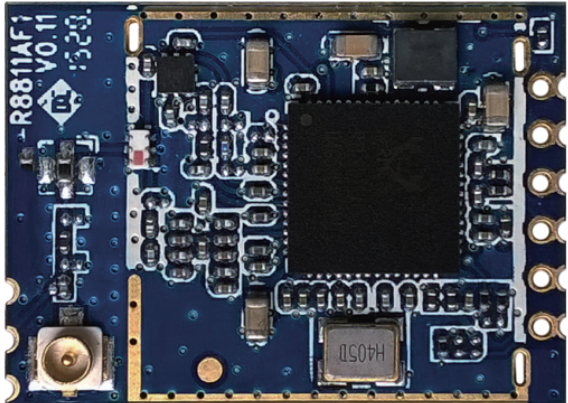




Model: IS-8811AF1

REALTEK RTL8811AU CHIPSET

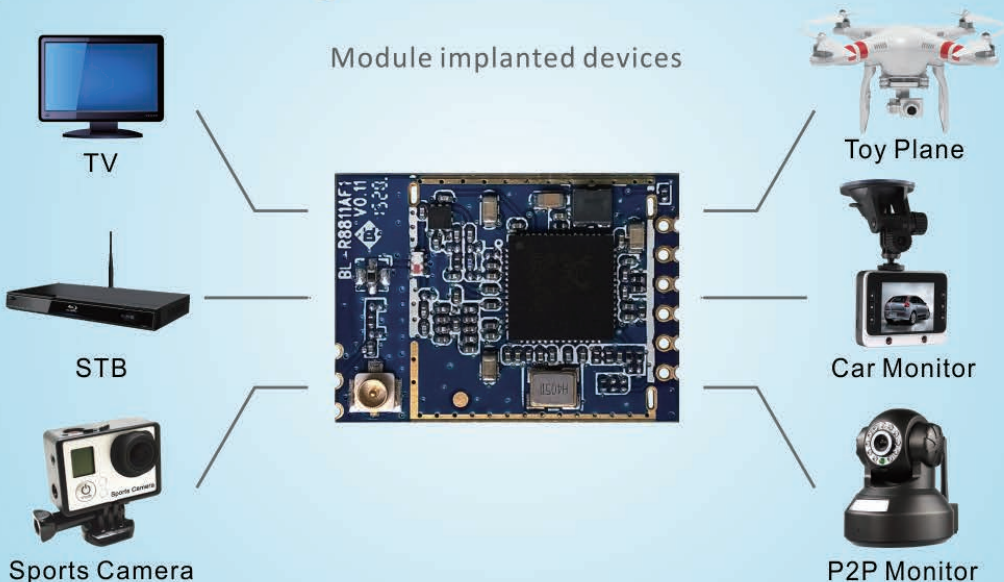
Product Application

- Laptop NB
- Tablet, MID
- USB dongle, DTV

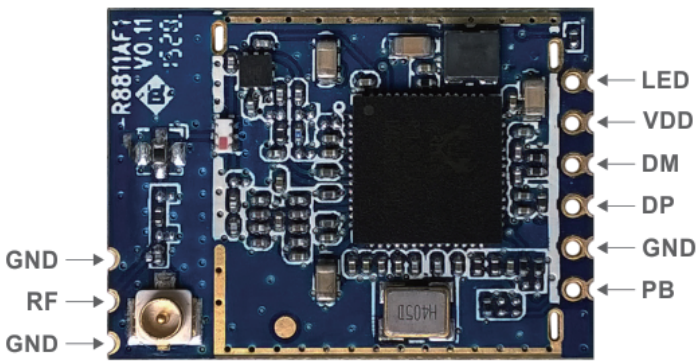
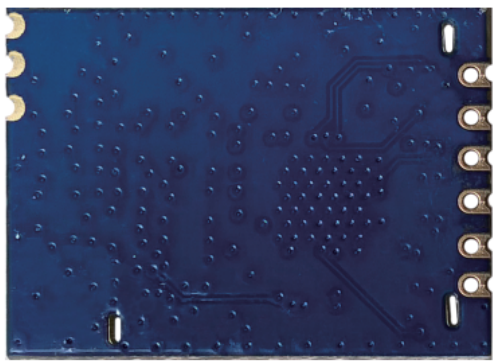
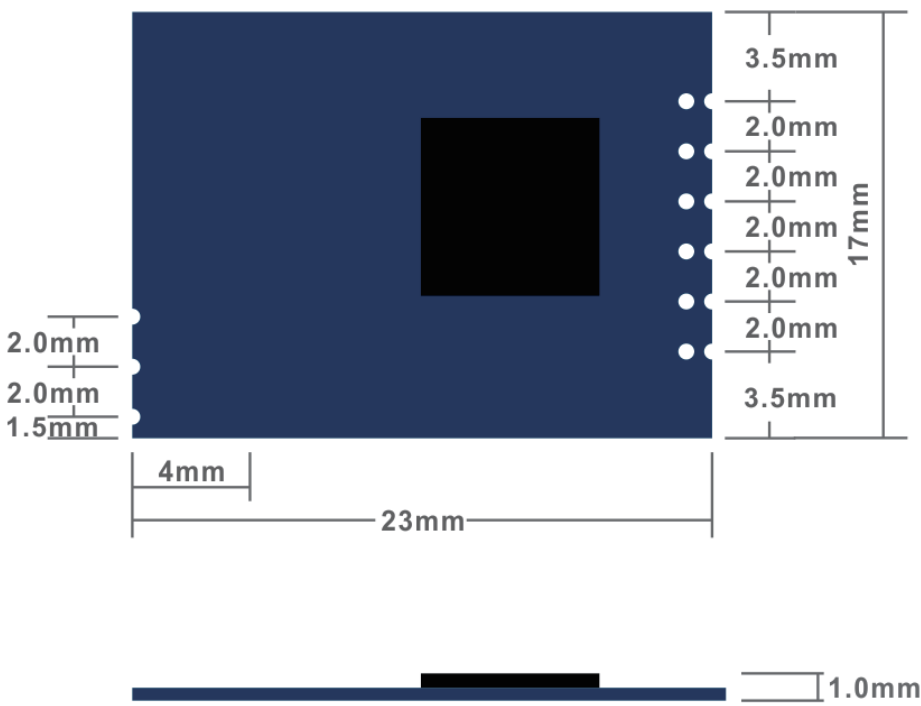
Product Introduction:

The Realtek RTL8811AU is a highly integrated single-chip IEEE802.11b/g/n/ac 1T1R USB2.0 WLAN controller. It combines a WLAN MAC, a 1T1R capable WLAN baseband, and WLAN RF in a single chip. The RTL8811AU provides a complete solution for a high throughput performance integrated wireless LAN.

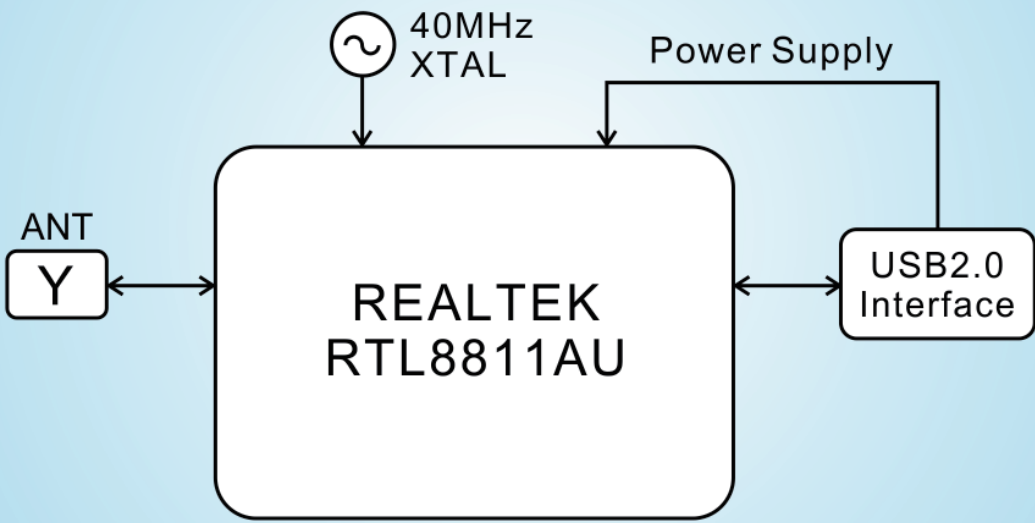
Application Diagram



Structure and Size:



Block Diagram



Specifications	
Item	Description
Chipset	RTL8811AU
Interface type	USB2.0
Size(L*W*H)	23*17*1mm (LxWxH) Tolerance: +/-0.2mm
Power supply	DC3.3V (±5%), 400mA (Max)
Standards	IEEE802.11a,IEEE802.11b, IEEE 802.11g,IEEE 802.11n,IEEE802.11ac
Frequency range	2.4GHz~2.4835GHz, 5.15GHz~5.85GHz
Modulation Types	802.11b: CCK, DQPSK, DBPSK; 802.11a/g/n: 64-QAM,16-QAM, QPSK, BPSK; 802.11ac:256-QAM, 64-QAM,16-QAM, QPSK, BPSK;
Working Modes	Infrastructure, Ad-Hoc
Data transfer rates	1,2,5.5,6,11,12,18,22,24,30,36,48,54,135,150 up to 433.3Mbps
Sensitivity @PER	1M: -95dBm@8%PER; 6M: -90dBm@10%PER; 11M:-86dBm@8%PER; 54M:-72dBm@10%PER; 135M:-70dBm@10%PER; 433.3M:-51dBm@10%PER (Tolerance:+/-2dB)
RF Power	18dBm@11b,15dBm@11g ,13dBm@11a,13dBm@11n, 11dBm@11ac (Tolerance:+/-2dB)
Antenna type	Connect to the external antenna through the IPEX connector
Operating Temperature	Working temperature: -10℃ ~ 50 ℃ Storage temperature : -40℃ ~ 70℃