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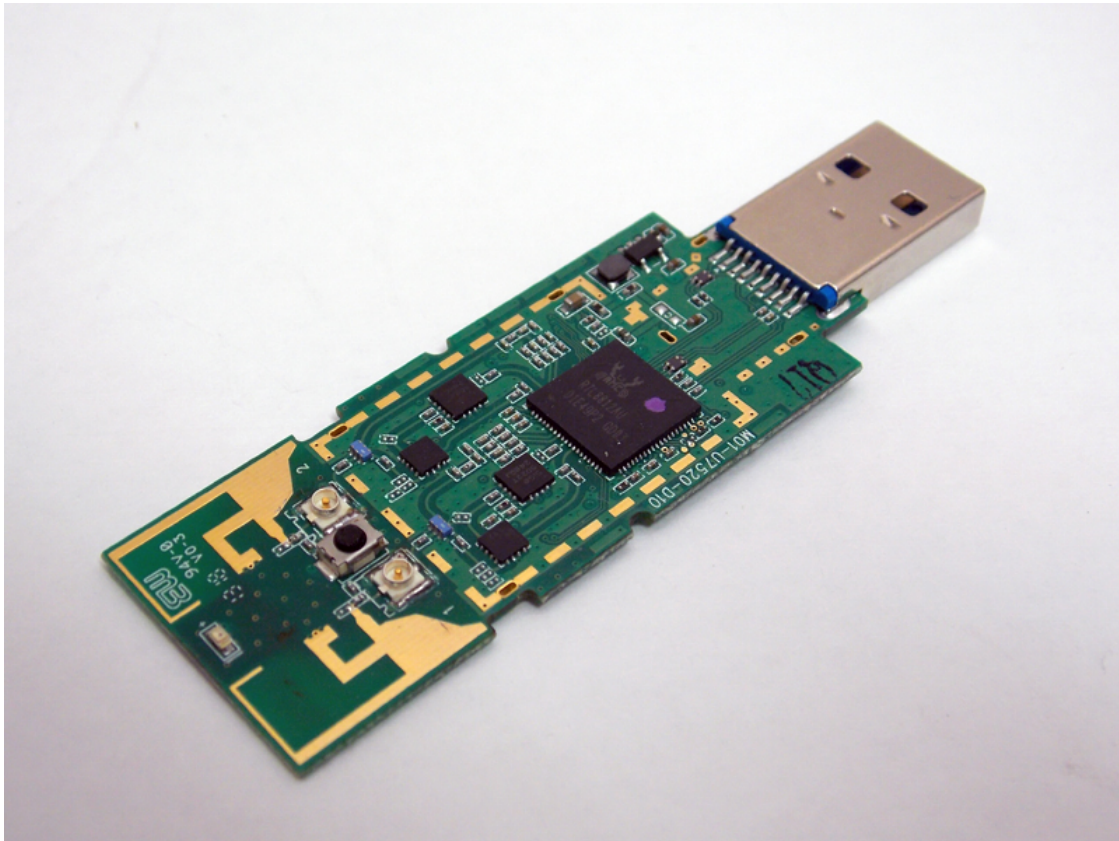
Full Spectrum of Wireless & Embedded Technologies



Embedded Works believes that no company should be left behind in the wireless revolution. When it comes to wireless & embedded technologies, we provide the industry's most comprehensive product line card. From short range to long range wireless, our products are 'OEM Friendly' which means we specialize in embeddable components and provide integration support throughout the design chain.

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[Embedded Works EW5270UM / 802.11ac/b/g/n 2x2 MIMO / USB 3.0 Module \(Realtek RTL8812AU\)](#)

- EW5270UM Product Features:
- * Wireless Standard: IEEE 802.11ac/a/b/g/n (2T2R)
 - * Realtek RTL8812AU
 - * Speeds up to 867Mbps
 - * Form Factor: USB 3.0 Dongle
 - * WiFi Direct supported

SPECIFICATION

Model Number	EW5270UM
Wireless Technology	802.11ac/b/g/n 2x2 MIMO
Wireless Chipset	Realtek RTL8812AU
Electrical Interface	USB 3.0
Physical Connector	USB 3.0
Data Rate	Up to 876Mbps
Power Consumption	Standby: 173mA / 5V (Max) Full load: 426mA / 5V (Max)
Security	IEE 802.11i (WPA,WAP2) WAPI (Wireless Authentication Privacy Infrastructure) certified
RF Power	802.11a/g: 14 +/- 1.5dBm@54Mbps 802.11b: 17 +/- 1.5dBm@11Mbps 802.11gn HT20: 14 +/- 1.5dBm@MCS7 802.11gn HT40: 14 +/- 1.5dBm@MCS7 802.11an HT20: 14 +/- 1.5dBm@MCS7 802.11an HT40: 14 +/- 1.5dBm@MCS7 802.11ac HT20: 12 +/- 1.5dBm@MCS8 802.11ac HT40: 12 +/- 1.5dBm@MCS9 802.11ac HT80: 12 +/- 1.5dBm@MCS9
RF Sensitivity	802.11b: 72dBm +/- 2dBm@11Mbps 802.11a/g: 65dBm +/- 2dBm@54Mbps 802.11n: 64dBm +/- 2dBm @HT20 MCS7 802.11n: 61dBm +/- 2dBm @HT40 MCS7 802.11ac: 57dBm +/- 2dBm @HT20 MCS8 802.11ac: 54dBm +/- 2dBm @HT40 MCS9 802.11ac: 51dBm +/- 2dBm @HT80 MCS9
Dimension	72.6 mm x 22.6 mm
Antenna Options	2 x U.FL
Software Support	Windows and Linux
Temperature Operating	0C +40C
Temperature Storage	-30C +80C
EMC Certification	
Warranty	1-Year
Packing List	EW5270UM Module