

WF8000-U USB WiFi Module

WF8000-U is a USB based WiFi module relying on the WiFi IEEE 802.11 standards. It is applied to be used on all Embest products which shall have USB interface. This module is highly integrated with MAC/BBP and 2.4GHz RF chip and builds a wireless network between PCs or some other terminals.



Features

Wireless	802.11b/g
Interface	USB2.0 Host port
Dimension	40mm x 31.8mm
Frequency Band	2400MHz ~ 2500MHz
Frequency Stability	< ± 5 ppm @Room Temperature +25°C
Modulation	OFDM and CCK
OFDM Output Power	15dBm (Typ.) @EVM<3%, all channel
CCK Output Power	CCK Spectral Mask@Pout=18dBm -37dBc (Typ.) @ 11~22MHz -60dBc (Typ.) @ 22~33MHz
2f Harmonics	-55dBm (Typ.)
LO Leakage Peak Power	-64dBm (Typ.) @Transmit State
Receive Sensitivity	-65dBm (Typ.) @HT40M, MCS7 -71dBm (Typ.) @54M OFDM -85dBm (Typ.) @11M CCK -90dBm (Typ.) @1M CCK
RF Port Impedance	50L \pm 10%
USB Differential Port Impedance	90L \pm 10%
Board Support	DevKit8000 , DevKit8500D , DevKit7000 , VSS3530

