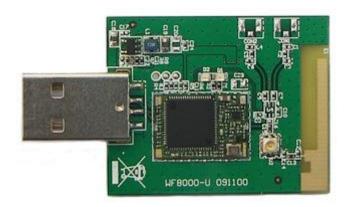
## WF8000-U USB WiFi Module

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 hgihly 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             | < ±5ppm @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<br>-37dBc (Typ.) @ 11~22MHz<br>-60dBc (Typ.) @ 22~33MHz                     |  |  |
| 2f Harmonics                    | -55dBm (Typ.)  |  |  |
| LO Leakage Peak Power           | -64dBm (Typ.) @Transmit State  |  |  |
| Receive Sensitivity             | -65dBm (Typ.) @HT40M, MCS7<br>-71dBm (Typ.) @54M OFDM<br>-85dBm (Typ.) @11M CCK<br>-90dBm (Typ.) @1M CCK |  |  |
| RF Port Impedance               | 50L±10%  |  |  |
| USB Differential Port Impedance | 90L±10%  |  |  |
| Board Support                   | DevKit8000, DevKit8500D, DevKit7000, VSS3530   |  |  |