







| RTL8710BX 系列Wi-Fi模组            |   |   |   |  |   |   |
|--------------------------------|---|---|---|--|---|---|
| 型号                             | AFW121TI  | AFW121TI-L2   | AFW125T0  | AFW126T0   | AFW127PI  | AFW121TI5V  |
| 模组图例                           |  |  |  |  |  |  |
| 模组特点                           |   |   |   |  |   |   |
| 九九物联AFW12系列系列模组采用RTL8710BX为主芯片 |   |   |   |  |   |   |
| 产品特点                           | 性能增强模组，功率输出稳定，品控级别高，使用寿命长，网络信号输出更加稳定  | 射频性能标准版本  | 18x16小体积外接天线  | 13x13超小体积模组，外接天线   | 11Pin低成本插脚模组  | 5V包含转接板模组，可以调整输入电压  |
| 天线                             | 板载适配+外接   | 板载适配+外接   | ipex外接天线  | I0外接天线   | 板载天线  | 板载适配+外接天线   |
| 固件支持                           | 定制透传协议+智能单品SDK+6路PWM输出  |   |   |  |   |   |
| APP对接                          | 专有云配网+AP配网+airkiss配网+STA配网  |   |   |  |   |   |
| 硬件参数                           |   |   |   |  |   |   |
| Dimension                      | 贴片式：（L*W*H）<br>18x22x3.1mm  | 贴片式：（L*W*H）<br>18x22x3.1mm  | 贴片式：（L*W*H）<br>18x16.5x3.1mm  | 贴片式：（L*W*H）<br>13x13x3.0mm   | 金手指：（L*W*H）<br>15x17.3x3.0mm  | 贴片式：（L*W*H）<br>23.5X33.5x4mm  |
| Working Current                | AP mode: 125mA<br>STA mode: 70mA<br>Stand by 4mA                                  | AP mode: 125mA<br>STA mode: 70mA<br>Stand by 4mA                                  | AP mode: 125mA<br>STA mode: 70mA<br>Stand by 4mA                                  | AP mode: 125mA<br>STA mode: 70mA<br>Stand by 4mA                                   | AP mode: 125mA<br>STA mode: 70mA<br>Stand by 4mA                                    | AP mode: 125mA<br>STA mode: 70mA<br>Stand by 4mA                                    |
| Temperature                    | -20~85℃   | -20~85℃   | -20~85℃   | -20~85℃  | -20~85℃   | -20~85℃   |
| Core/relates                   | ARM Cortex-M4F 62.5MHz  | ARM Cortex-M4F 62.5MHz  | ARM Cortex-M4F 62.5MHz  | ARM Cortex-M4F 62.5MHz   | ARM Cortex-M4F 62.5MHz  | ARM Cortex-M4F 62.5MHz  |
| RAM                            | 256KB   | 256KB   | 256KB   | 256KB  | 256KB   | 256KB   |
| Flash                          | 2MB   | 2MB   | 2MB   | 2MB  | 2MB   | 2MB   |
| 射频参数                           |   |   |   |  |   |   |
| Wireless Standard              | 2.4G 802.11b/g/n  | 2.4G 802.11b/g/n  | 2.4G 802.11b/g/n  | 2.4G 802.11b/g/n   | 2.4G 802.11b/g/n  | 2.4G 802.11b/g/n  |
| Antenna                        | 内置:PCB天线 外置:IPEX连接器   | 内置:PCB天线 外置:IPEX连接器   | 外置:IPEX连接器  | 外置:PIN2脚外接天线   | 内置:PCB天线  | 内置:PCB天线  |
| Transmission Distance          | 内置天线最大距离80m（空旷视距） 外置天线最大距离160m（空旷视距）  |   |   |  |   |   |
| 外设参数                           |   |   |   |  |   |   |
| GPIO                           | 11  | 11  | 11  | 13   | 5   |   |
| UART                           | 1   | 1   | 1   | 1  | 1   | 1   |
| SPI                            | 1<br>(UART0复用)  | 1<br>(UART0复用)  | 1<br>(UART0复用)  | 1<br>(UART0复用)   | 1<br>(UART0复用)  |   |
| IIC                            | 2<br>(UART0复用)  | 2<br>(UART0复用)  | 2<br>(UART0复用)  | 2<br>(UART0复用)   | 2<br>(UART0复用)  |   |
| PWM                            | 6   | 6   | 6   | 6  | 5   |   |
| 无线参数                           |   |   |   |  |   |   |
| Security                       | WEP/WPA-PSK/ WPA2-PSK   | WEP/WPA-PSK/ WPA2-PSK   | WEP/WPA-PSK/ WPA2-PSK   | WEP/WPA-PSK/ WPA2-PSK  | WEP/WPA-PSK/ WPA2-PSK   | WEP/WPA-PSK/ WPA2-PSK   |
| Encryption type                | WEP64/WEP128/ TKIP/AES  | WEP64/WEP128/ TKIP/AES  | WEP64/WEP128/ TKIP/AES  | WEP64/WEP128/ TKIP/AES   | WEP64/WEP128/ TKIP/AES  | WEP64/WEP128/ TKIP/AES  |
| Wireless Mode                  | Station/SoftAP/Station+SoftAP   | Station/SoftAP/Station+SoftAP   | Station/SoftAP/Station+SoftAP   | Station/SoftAP/Station+SoftAP  | Station/SoftAP/Station+SoftAP   | Station/SoftAP/Station+SoftAP   |
| Fast Connect                   | Yes   |   |   |  |   |   |
| 可靠参数                           |   |   |   |  |   |   |
| 安全认证                           | FCC\CE\ROHS   | ROHS  | FCC\CE\ROHS   | ROHS   | ROHS  | ROHS  |