W600 Arduino IoT Wi-Fi Board

SKU 102110269

This document describes W600 Arduino EV board's interface definition, function description and interface reuse which can be used as master and slave equipment. At the end of this document, there is the schematic diagram of this EV board.

Arduino EV board supports the following interfaces

- I^2C & I^2S interface
- Uart0 & SWD debugging interface
- SPI & Uart1 & Uart2 interface
- PWM
- SIM
- GPIO
- Micro USB

When this EV board is used for master equipment, Micro USB interface can be used for debugging and communication. Users can develop with the interfaces on EV board. This EV board is compatible with standard Arduino interfaces and uses can connect with other Arduino equipment directly.

Wi-Fi communication function

● Support GB15629.11-2006、 IEEE802.11 b/g/e/i/d/k/r/s/w/n standard

● Support frequency range: 2.4~2.4835 GHz

● Support Wi-Fi WMM/WMM-PS/WPA/WPA2/WPS

● Support Wi-Fi Direct

● Support EDCA channel access

● Support 20/40M bandwidth

● Support STBC, Greenfield, Short-GI and reverse transmission

● Support RIFS interframe spaces

● Support AMPDU, AMSDU

● Support IEEE802.11n MCS 0~7, MCS32, transmission rate is up to 150Mbps

● Support Short Preamble in 2/5.5/11 Mbps

● Support HT-immediate Compressed Block Ack, Normal Ack, No Ack

● Support CTS to self

● Support STA/AP/AP+STA functions

● As AP in BSS, the sum of sites and groups is up to 32 and in IBss is up to 16

● Support up to 32 multicast networks with different encryption methods in BSS

ECCN/HTS

ECCN	5A002.a
HSCODE	8517709000
USHSCODE	8517700000
UPC	