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W600 Arduino IoT Wi-Fi Board
SKU 102110269

★★★★★

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Tags: ARM   W600   ARDUINO COMPATIABLE   WI-FI   I2C   UART

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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

I²C & I²S 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

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