

Module 802.11b/g/n 2.484GHz 72000Kbps 51-Pin

Manufacturer: [Microchip Technology, Inc](#)

Package/Case: 51LMODULE

Product Type: RF Integrated Circuits

RoHS: RoHS Compliant/Lead free 

Lifecycle: LTB



Images are for reference only

[Inquiry](#)

General Description

Microchip's SmartConnect SAMW25 is a low-power Wi-Fi certified module. This highly integrated module offers the ideal solution for designers seeking Wi-Fi connectivity. The SAMW25 integrates 802.11 IP stack on top of the Wi-Fi core and fully covers RF certifications. The SAMW25 opens the door to the Internet of Things for a vast array of battery-powered devices and applications requiring the integration of WLAN connectivity without compromising on cost and power consumption. The SAMW25 module is based on Microchip's industry-leading WINC1500 Wi-Fi core combined with the latest ARM®Cortex®-M0+ based microcontroller technology. This turnkey system provides an integrated software solution with application and security protocols such as TLS and integrated network services (TCP/IP stack).

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Key Features

IEEE 802.11 b/g/n (1x1) for up to 72 Mbps

Includes a SAMD21 ARM® Cortex®-M0+ for user application

Integrated PA and T/R switch

Superior sensitivity and range via advanced PHY signal processing

Wi-Fi Direct, station mode and SoftAP support

Supports IEEE 802.11 WEP, WPA

On-chip memory management engine to reduce host load

8 Mbit internal flash memory with OTA firmware upgrade

Serial host interface: SPI

TCP/IP protocol stack (client/server) sockets applications

Security protocols; WPA/WPA2 Personal, TLS, and SSL

Network services; DHCP, DNS, TCP/IP (IPv4), UDP, HTTP, and HTTPS

WSC (wireless simple configuration) WPS

Operates without a host in most applications

Compact footprint: 33.86 x 14.88 mm

FCC and CE Certified

RoHS compliant

Recommended For You

ATWINC1500-MR210PB

Microchip Technology, Inc

MODULE

ATZB-900-B0

Microchip Technology, Inc

MODULE

ATWINC1510-MR210PB1952

Microchip Technology, Inc

MODULE

ATSAMB11-MR510CA

Microchip Technology, Inc

39LMODULE

ATWINC1510-MR210PB1961

Microchip Technology, Inc

MODULE

ATWINC3400-MR210UA122

Microchip Technology, Inc

MODULE-36

ATWILC1000-MR110PB

Microchip Technology, Inc

MODULE

ATWINC1500-MR210UB1954

Microchip Technology, Inc

MODULE-28

ATWINC3400-MR210CA122

Microchip Technology, Inc

MODULE

ATWILC1000-MR110UB

Microchip Technology, Inc

MODULE

ATWILC3000-MR110UA

Microchip Technology, Inc

MODULE

ATZB-A24-U0R

Microchip Technology, Inc

MODULE

ATWINC1500-MR210PB1952

Microchip Technology, Inc

MODULE

ATZB-X0-256-3-0-C

Microchip Technology, Inc

MODULE

ATWINC1500-MR210UB

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MODULE