

Module 802.11b/g/n 2.484GHz 11000Kbps 28-Pin Tray

Manufacturer: [Microchip Technology, Inc](#)

Package/Case: MODULE

Product Type: RF Integrated Circuits

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active



Images are for reference only

[Inquiry](#)

General Description

Microchip's SmartConnect ATWILC1000 is an IEEE 802.11 b/g/n IoT link controller module. The ATWILC1000 connects to Microchip AVR/SMART MCUs, SMART MPUs, and other processors with minimal resource requirements with a simple SPI/SDIO-to-Wi-Fi interface.

The ATWILC1000 supports single stream 1x1 802.11n mode providing tested throughput of up to 46 Mbps UDP & 28 Mbps TCP/IP. The ATWILC1000 features a fully integrated Power Amplifier, LNA, Switch and Power Management. The only external clock source needed is a high-speed crystal or oscillator. The ATWILC1000 can be used in Linux, RTOS or Baremetal Environments.

Microchip's complimentary and confidential Wireless Check online design review service is available for customers who have selected our products for their application design-in*. *The online design review service is subject to Microchip's Program Terms and Conditions and requires a myMicrochip account.

Click [HERE](#) for the WILC Linux driver on GitHub

For product comparison, please consider: ATWILC3000, ATWINC1500, ATWINC3400

Key Features

IEEE 802.11 b/g/n (1x1)

Integrated PA and T/R Switch

Superior Sensitivity and Range via advanced PHY signal processing

Wi-Fi Direct, station mode and Soft-AP support

Supports Personal & Enterprise IEEE 802.11 WEP, WPA, WPA2 Security

On-chip memory management engine to reduce host load

SPI and SDIO host interfaces

Operating temperature range of -40C to +85C

Module is Agency Certified for US, Canada, Europe, Korea and Japan

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

ATSAMW25H18-MR510PB

Microchip Technology, Inc
51LMODULE

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

Microchip Technology, Inc
MODULE