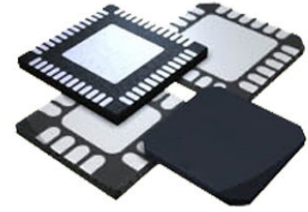


## Module 802.11b/g/n 2.472GHz 72200Kbps 40-Pin QFN EP T/R



Images are for reference only

[Inquiry](#)

**Manufacturer:** [Microchip Technology, Inc](#)

**Package/Case:** QFN

**Product Type:** RF Integrated Circuits

**RoHS:** RoHS Compliant/Lead free 

**Lifecycle:** Active

### 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

**AT86RF233-ZUR**

Microchip Technology, Inc  
QFN32

**ATmega128RFA1-ZU**

Microchip Technology, Inc  
QFN64

**AT86RF215-ZUR**

Microchip Technology, Inc  
QFN48

**AT86RF231-ZU**

Microchip Technology, Inc  
QFN32

**AT86RF233-ZU**

Microchip Technology, Inc  
QFN32

**ATWILC1000B-UU-T**

Microchip Technology, Inc  
55LWLCSP3.25x3.25

**ATBILC1000A-MU-T**

Microchip Technology, Inc  
QFN32

**ATWINC1500B-MU-T**

Microchip Technology, Inc  
QFN40

**AT86RF215-ZU**

Microchip Technology, Inc  
QFN48

**AT86RF212B-ZU**

Microchip Technology, Inc  
QFN32

**ATSAMR34J18BT-I/7JX**

Microchip Technology, Inc  
TFBGA

**ATWILC1000B-MU-Y**

Microchip Technology, Inc  
QFN

**AT88RF1354-ZU**

Microchip Technology, Inc  
VQFN6x6

**ATSAMR35J18BT-I/7JX**

Microchip Technology, Inc  
TFBGA-64

**ATSAMR21G17A-MU**

Microchip Technology, Inc  
QFN48