

# EWM-W151H

Advantech 802.11 b/g/n Mini PCIe Card

# EWM-W142

802.11 b/g/n Mini PCIe Card

**NEW**



RoHS CE FCC

## Features

- IEEE 802.11 b/g/n (2.4 GHz) standard
- Half-size Mini PCIe Card Interface
- Up to 150 Mbps data rate
- Operating temperature: 0 to +80° C
- One-antenna connector

## Specifications

Main Chipset	Realtek RTL8188EE
Tx/Rx	1 antennas to support Rx/Tx technology
Standard Conformance	802.11 b/g/n
Form Factor	PCIe signal with Half-size Mini PCIe card
Interface	PCI Express mini-card rev. 1.2
Operation Voltage	DC 3.3V ±5%
Power Consumption	Continue Tx: 900.24 mA (HT40) Continue Rx: 621.06 mA (HT40)
Security	WEP 64/128-bit, WPA, WPA2
OS Supported	Windows XP/ Vista/ 7, Win8, Linux
Temperature Ranges	Operation: 0 to +80° C
Dimensions (L x W x H)	26.65 x 29.85 x 3.05 mm

## Ordering Information

Part No.	Product Description
EWM-W151H01E	Advantech 802.11 b/g/n, Realtek RTL8188EE 1T1R, Half-size Mini PCIe Card

## Suggestion: Antenna and Cable

Part No.	Specifications
1750000318	Wi-Fi 2.4 GHz 2dBi dipole Antenna
1750003222	Wi-Fi 2.4 GHz 5dBi dipole Antenna
1750003418	Wi-Fi 2.4 GHz 9dBi dipole Antenna
1750006043	Wi-Fi Coaxial Cable, 150 mm
1750006010	Wi-Fi Coaxial Cable, 200 mm
1750005885	Wi-Fi Coaxial Cable, 230 mm



RoHS CE FCC

## Features

- IEEE 802.11 b/g/n standard (2.4 GHz)
- 2Tx/ 2Rx MIMO
- Up to 300 Mbps data rate
- 64/ 128/ 152 bit WEP, WPA, WPA2, 802.1x, AES & TKIP Encryption
- Operating temperature: 0 to 60° C

## Specifications

Main Chipset	Atheros AR9287
Tx/Rx	2Tx/ 2Rx MIMO
Standard Conformance	802.11 b/g/n
Form Factor	EWM-W142H01E: Half-size Mini PCIe card EWM-W142F01E: Full-size Mini PCIe card
Interface	PCI Express mini-card rev. 1.2
Operation Voltage	DC 3.3V ±5%
Power Consumption	Continue TX: 1749 mW (Avg.)
Security	64/ 128/ 152 bit WEP, WPA, WPA2, 802.1x, AES & TKIP Encryption
OS Supported	Windows XP/ Vista/ 7 (32 and 64 bit)
Temperature Ranges	Operation: 0 to +60° C
Dimensions (L x W x H)	EWM-W142H01E: 26.80 x 29.85 x 2.27 mm EWM-W142F01E: 51.00 x 29.85 x 2.27 mm

## Ordering Information

Part No.	Product Description
EWM-W142H01E	802.11 b/g/n, Atheros AR9287, Half-size Mini PCIe Card
EWM-W142F01E	802.11 b/g/n, Atheros AR9287, Full-size Mini PCIe Card

## Suggested Antenna and Cable

Part No.	Specifications
1750000318	WiFi 2.4 GHz 2dBi dipole Antenna
1750003222	WiFi 2.4 GHz 5dBi dipole Antenna
1750003418	WiFi 2.4 GHz 9dBi dipole Antenna
1750006043	WiFi Coaxial Cable, 150 mm
1750006010	WiFi Coaxial Cable, 200 mm
1750005885	WiFi Coaxial Cable, 230 mm