

# WiFi-102

## MINI PCI 802.11b/g Card



### Features

- IEEE 802.11b/g standards
- MINI PCI Type III A interface
- Up to 54 Mbps data rate
- 64/128-bit WEP encryption and advanced WPA/WPA2 for WLAN security
- Low-power consumption for embedded system
- Drivers for Windows 98SE/ME/2000/XP/Vista



### Introduction

WiFi-102 conforms to embedded 802.11b/g and MINI PCI® standards, and is designed to provide industrial PC systems with a cost-effective, turn-key embedded WiFi solution.

### Specifications

Standards	IEEE 802.11g IEEE 802.11b
Interface	MINI PCI Type III A
Frequency Band	2.400 GHz ~ 2.4835 GHz
Radio Type	IEEE 802.11g: OFDM (64-QAM, 16-QAM, QPSK, BPSK) IEEE 802.11b: DSSS (CCK/DQPSK/DBPSK)
Data Rate	IEEE 802.11g: 54, 48, 36, 24, 18, 12, 9 & 6 Mbps; Auto-fallback IEEE 802.11b: 11, 5.5, 2 and 1 Mbps; Auto-fallback
Access Protocol	CSMA/CA
Number of Operating Channels	U.S. 1-11 Japan 1-13, 14 Elsewhere Worldwide 1-13
Security	64/128-bit WEP WPA, WPA2, 802.1x and 802.11i
RF Output Power (Typical)	802.11b: up to 17 ±1 dBm 802.11g: up to 14 ±1 dBm
Dimensions (mm)	60 (L) x 49.5 (W) x 3 (H)
Antenna	Two antenna connectors (U.FL)
Power Consumption	Tx peak: 550 mA @ 3.3 V <sub>DC</sub> Rx peak: 350 mA @ 3.3 V <sub>DC</sub> Idle: 225 mA @ 3.3 V <sub>DC</sub> Radio disabled: < 10 mA @ 3.3 V <sub>DC</sub>
Humidity	10% ~ 90% (Non-condensing)
Temperature	Operating: 0° C ~ 40° C Storage: -20° C ~ 60° C

### Packing List

Description	Quantity
Mini PCI WiFi Interface Card	x 1
CD-ROM (User's Manual; Utility)	x 1

### Ordering Information

Part Number	Specifications
968EMW0003	Mini PCI 802.11b/g card