



WPEA-152GN(BT)

Feature

- Chipset: Atheros AR9485 + AR3012
- Interface: Half Mini Card (PCIe: WLAN)
- Wireless connection up to 150Mbps
- Antenna: 2 x U.FL connectors, 1T1R
- Concurrent Wi-Fi (802.11n) and BT (4.0 LE/ 3.0 HS/ 2.1 EDR) antenna co-existence
- Enhanced wireless security: 64/128-bits WEP, WPA, WPA2
- Driver Support: Windows XP/Vista/Win 7, Linux, Android by request



Wireless-GN Half Mini Card

Highest Performance with Atheros AR9485 + AR3012 Solution, up to 150Mbps

Superior Performance with Longer Range and Faster Speed

SparkLAN Wireless Half Mini Card, WPEA-152GN(BT), is compliant with 802.11b/g/n standard that can support up to 150Mbps data rates. Comparing to 802.11g technology, 802.11n standard makes big improvement on speed and range.

WPEA-152GN(BT), embedded with Atheros AR9485 + AR3012 chipset, WPEA-152GN(BT) is designed properly for any wireless enabled devices with Half Mini Card slot.

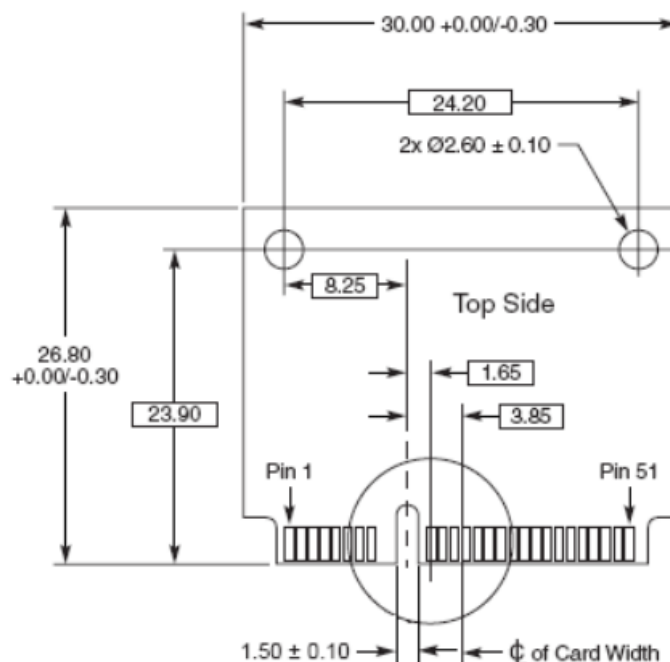
Secure Wireless Connection

This Half Mini Card WPEA-152GN(BT) with advanced security encryption, such as 64/128-bits WEP, WPA, and WPA2, helps prevent from malicious attacks.

Application

- Industrial PC
- Networking Equipment
- Automation
- Medical Device
- POS (Point-of-Sale) System
- Gaming Machine

Mechanical Dimension

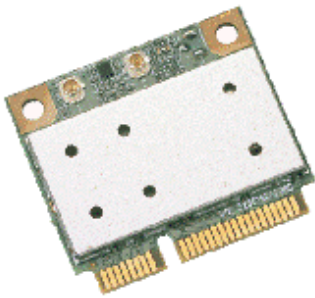




WPEA-152GN(BT)

Related Product

- WPEA-250GN
 Wireless-GN Half Mini Card



- WUBT-132GN(BT)
 802.11b/g/n WiFi USB Module



Ordering Info

- WPEA-152GN(BT)
 Wireless-GN Half Mini PCIe
 Card

Specifications

Standard

802.11b/g/n, WiFi 1T1R Half Mini PCIe Module

Chipset

Mac/BB /RF Atheros AR9485 + AR3012

Host Interface

Half Mini Card (PCIe: WLAN)

Radio

Antenna 2 x U.FL connectors (1T/1R)

Operating Frequency 802.11 b/g/n ISM Band: 2.400GHz ~ 2.4835GHz

Modulation
 802.11b: DSSS (DBPSK, DQPSK, CCK)
 802.11g: OFDM (BPSK, QPSK, 16-QAM, 64-QAM)
 802.11n: OFDM (BPSK, QPSK, 16-QAM, 64-QAM)

Output Power
 802.11b: 17dBm ± 2dBm 802.11g: 13dBm ± 2dBm
 802.11gn HT20: 11dBm ± 2dBm@MCS7
 802.11gn HT40: 11dBm ± 2dBm@MCS7

Receive Sensitivity
 802.11b: -85dBm ± 2dBm@11Mbps
 802.11g: -68dBm ± 2dBm@54Mbps
 802.11gn HT20: -68dBm ± 2dBm@MCS7
 802.11gn HT40: -65dBm ± 2dBm@MCS7

Power consumption

Continue TX Max 310 mA

Continue RX Max 180 mA

Operating Voltage

DC 3.3V ± 9%

Environmental

Temperature Range 0 ~ 75°C (Operating) -40 ~ 85°C (Storing)

Humidity
 (Non-Condensing) 5 ~ 90% (Operating) 5 ~ 95% (Storing)

Physical Specification

Dimensions 30 x 26.8 x 3.4mm (± 0.15mm)

Weight 7g

Software

Driver Windows XP/Vista/Win 7, Linux, Android by request

Security 64/128-bits WEP, WPA, WPA2