

HCWIFI159AN-F

2.4GHz Wireless N + Bluetooth
Mini-PCI Express Card



Product Description	IEEE 802.11b/g/n 1T1R WLAN, Bluetooth4.0/3.0 Up to 150Mbps
Host Interface	WiFi: PCIE Bluetooth: USB
Major Chipset	Realtek RTL8723BE
Dimension	26.65 mm X 29.85 mm x 2.4 (+/- 0.2) mm
Weight	TBC
Wi-Fi PID/VID	B723 / 10EC
Wi-Fi SSID/SVID	2159 / 1A3B
BT PID/VID	3410 / 13D3
Antenna	Standard U.FL connector 1. Connector of Ant 1 : for WiFi Tx/Rx or BT Tx/Rx 2. Connector of Ant 2 : for BT Tx/Rx or WiFi Tx/Rx
Operating Conditions	
Voltage	3.0V~3.6V
Temperature	0~70 °C
Storage temperature	-40~80 °C
Electrical Specifications	
Frequency Range	Wi-Fi: 2.4 GHz ISM Bands 2.412-2.472 GHz, 2.484 GHz / BT: 2402MHz~2483MHz
Modulation	Wi-Fi: 802.11b: CCK, DQPSK, DBPSK 802.11 g: 64 QAM, 16 QAM, QPSK, BPSK 802.11 n: 64 QAM, 16 QAM, QPSK, BPSK BT: Header GFSK Payload 2M: $\pi/4$ DQPSK Payload 3M: 8DPSK
Output Power	Wi-Fi: 802.11b: 16 dBm +/-1.5dBm (11Mbps) 802.11g: 14 dBm +/-1.5dBm (54Mbps) 802.11n: 13 dBm +/-1.5dBm (HT20 MCS7) 802.11n: 13 dBm +/-1.5dBm (HT40 MCS7) BT: $4 \leq \text{Output Power} \leq 15$ dBm (Conductive)
Receive Sensitivity	802.11b: less than -76 dBm (11Mbps) 802.11g: less than -65 dBm (54Mbps) 802.11n: less than -64 dBm at HT20 MCS7 802.11n: less than -61 dBm at HT40 MCS7
Operating Range	BT: BER < 0.1% (Anritsu 8852B Tx -70 Bm) Wi-Fi: Open Space: ~300M / Indoor:~100M (speed may vary by environment)
Regulatory	Will follow Realtek RTL8723BE worldwide regulatory.



Jetway Computer Corporation
8058 Central Ave., Newark, CA 94560
Phone: 510-857-0130 Fax: 510-857-0138
www.jetwaycomputer.com

