

**HCWIFI159AN-F**  
 2.4GHz Wireless N + Bluetooth  
 Mini-PCI Express Card



<b>Product Description</b>	IEEE 802.11b/g/n 1T1R WLAN, Bluetooth4.0/3.0 Up to 150Mbps
<b>Host Interface</b>	WiFi: PCIE Bluetooth: USB
<b>Major Chipset</b>	Realtek RTL8723BE
<b>Dimension</b>	26.65 mm X 29.85 mm x 2.4 (+/- 0.2) mm
<b>Weight</b>	TBC
<b>Wi-Fi PID/VID</b>	B723 / 10EC
<b>Wi-Fi SSID/SVID</b>	2159 / 1A3B
<b>BT PID/VID</b>	3410 / 13D3
<b>Antenna</b>	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
<b>Operating Conditions</b>	
<b>Voltage</b>	3.0V~3.6V
<b>Temperature</b>	0~70 °C
<b>Storage temperature</b>	-40~80 °C
<b>Electrical Specifications</b>	
<b>Frequency Range</b>	Wi-Fi: 2.4 GHz ISM Bands 2.412-2.472 GHz, 2.484 GHz / BT: 2402MHz~2483MHz
<b>Modulation</b>	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:π/4 DQPSK Payload 3M: 8DPSK
<b>Output Power</b>	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 ≤ Output Power ≤15 dBm (Conductive)
<b>Receive Sensitivity</b>	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
<b>Operating Range</b>	BT: BER < 0.1% (Anritsu 8852B Tx -70 Bm) Wi-Fi: Open Space: ~300M / Indoor:~100M (speed may vary by environment)
<b>Regulatory</b>	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

