



19.95 EUR  
incl. 19% VAT, plus [shipping](#)

- WLAN
- Bluetooth
- Half-Height Mini-PCle

PCIE half size Mini-Card  
Antennas to support 1(Transmit)\*1 (Receive) technology and BT  
Ant. 1(Main): WiFi à TX/RX  
Ant. 2(Aux): Bluetooth à TX/RX, WiFi à RX  
Low power consumption and high performance  
Enhanced wireless security  
Enhanced Data Rate(EDR) compliant for both 2Mbps and 3Mbps supported  
Fully speed operation with Piconet and Scatternet support

#### Specifications

Host Interface: PCIE  
Wi-Fi PID: 2C87  
Wi-Fi VID: 1A3B  
BT PID: 2087  
BT VID: 1A3B  
Dimension: 26.65x29.85x3.95 mm  
Weight: 3.6 g  
Antenna:  
Hirose\* U.FL-R-SMT  
1 (Main) : WiFi à TX/RX ,  
2 (Aux): Bluetooth à TX/RX, Wi-Fi à RX

#### Operating Conditions

Voltage: 3.3V +/- 5%  
Temperature: 0-70 oC

#### 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:  
802.11 g/n: OFDM  
802.11b: CCK(11, 5.5Mbps), QPSK(2Mbps), BPSK(1Mbps)  
BT:  
Header GFSK

Payload 2M: 4-DQPSK

Payload 3M: 8DPSK

#### Output Power

Wi-Fi: 802.11b: 17 dBm +/-1.5dBm

802.11g: 14 dBm +/-1.5dBm

802.11n(HT20): 14 dBm +/-1.5dBm

802.11n(HT40): 14 dBm +/-1.5dBm

BT: +4 ≤ Output Power ≤ +8 dBm (Conductive)

#### Receive Sensitivity

Wi-Fi: 802.11b: less than -80 dBm (11Mbps)

802.11g: less than -70 dBm (54Mbps)

802.11n: less than -61 dBm at HT40 MCS7

less than -64 dBm at HT20 MCS7

BT: BER < 0.1% (Anritsu 8852B Tx -70Bm)

#### Operating Range

Wi-Fi: Open Space: ~300M Indoor:~100M

(The transmission speed may vary according to the environment)

BT: 10m~20m (depending on environment and NB model)

#### Regulatory

FCC, CE, China refer Regulatory list of Ralink RT3290