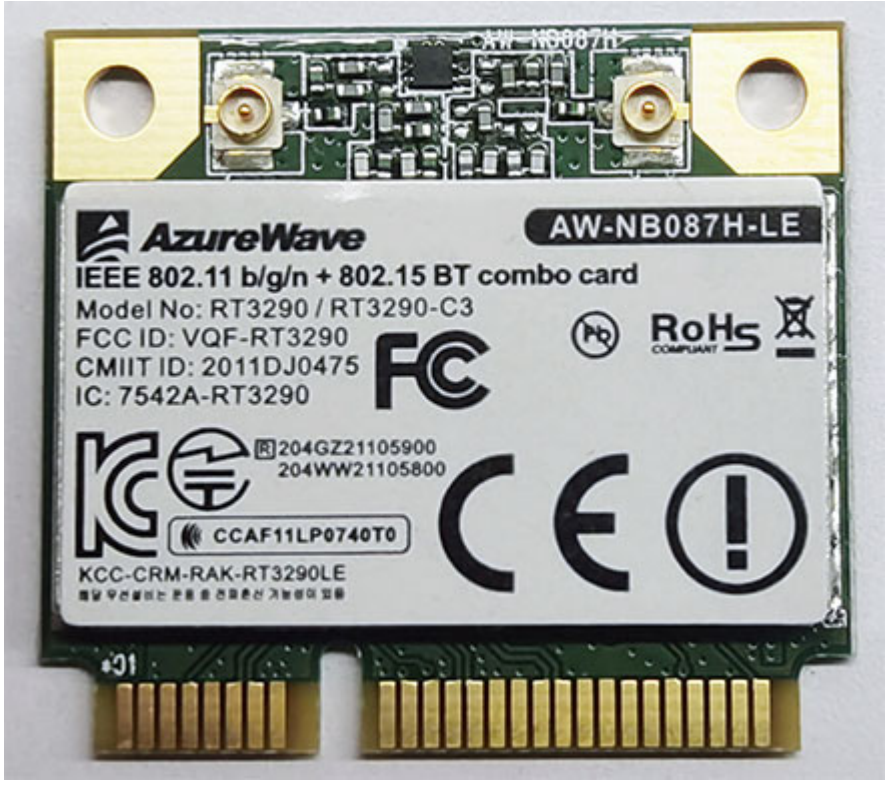

9.95 EUR
incl. 19% VAT, plus shipping

- WLAN
- Bluetooth
- Half-Height Mini-PCIe

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, WiFià 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 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