34.95 EUR
incl. 19% VAT, plus shipping

- Half-Height Mini-PCIe
- Long term available !
- Realtek RTL8821AE !

Support: Device Specification | Drivers (Windows)

Qcom WIFI+BT Combo Card 802.11 b/g/n/ac Wireless LAN and Bluetooth 4.0 + BLE Combo Half Mini Card

The ZQ802XRACB (successor model of Q802XKN3B) is designed to provide wireless LAN and Bluetooth function on a small form factor with PCI Express interface for wireless LAN and USB interface for Bluetooth to the host system.

Key Specifications/Special Features:

- Combo module compatible with IEEE802.11 a/b/g/n/ac draft2.0 1T1Rand BT4.0 + BLE.
- Complies with PCI express Base specification revision 1.1 for WLAN
- Complies with USB1.1 specification for Bluetooth
- PCIe LTR/OBFF/L1.Off state supported
- 72.2Mbps receive PHY rate and 72.2 Mbps transmit PHY rate using 20Mhz bandwidth
- 150Mbps receive PHY rate and 150Mbps transmit PHY rate using 40MHz bandwidth
- 433.3Mbps transmit/receive PHY rate using 80Mhz bandwidth
- 802.11ac Draft 2.0 compatible WLAN
- 802.11e QoS Enhancement(WMM)
- 802.11i (WPA, WPA2)
- Open, shared key, and pair-wise key authentication services
- WAPI supported
- Frame aggregation for increased MAC efficiency (A-MSDU, MPDU)
- Low latency immediate High-Throughput Block Acknowledgement (HT-BA)
- PHY-level spoofing to enhance legacy compatibility
- Multi MAC ID support with Fast Channel switch
- Channel management and co-existence
- Transmit Opportunity (TXOP) Short Inter-Frame Space (SIFS)bursting for higher multimedia bandwidth
- WiFi Direct supports wireless peer to peer applications
- Supports Wake-On-Wlan via Magic Packets and Wake-up frames
- Supports S3/S4 AES/TKIP group key update
- Supports Win8 Network List Offload

- CCA on secondary through RTS/ CTS handshake
- Supports TCP/UDP/IP check sum offload
- Integrated MCU to execute Bluetooth protocol stack