Item no.: 375106

AMLGA7921 - 11a/b/g/n/ac/ax 2x2 +Bluetooth 5.2 Wireless Module

from **15,49 EUR**

Item no.: 375106
shipping weight: 0.10 kg
Manufacturer: ALFA Network

Product Description

The AMLGA7921 is a highly integrated module that features a high-performance 2x2 Tri-band WLAN subsystem and Bluetooth v5.2 subsystem. The WLAN subsystem contains the 802.11a/b/g/n/ac/ax radio, a baseband designed to meet feature-rich wireless connectivity at high standards, and deliver reliable, costeffective throughput from an extended distance.Optimized RF architecture and baseband algorithms provide superb performance and low power consumption. Intelligent MAC design deploys a highly efficient offload engine and hardware data processing accelerators which fully offloads WiFi task of the host processor.

Technical data- Integrate high-efficiency power management unit with single 3.3V power supply input- 32-bit RISC MCU for WiFi/Bluetooth protocols and WiFi offload- Embedded SRAM/ROM- IEEE 802.11 a/b/g/n/ac/ax compliant- Support 20 MHz, 40 MHz, 80 MHz bandwidth in 2.4 GHz, 5 GHz, 6GHz band- Support Bluetooth 5.2- Tri-band 2T2R mode- Data rate up to 800 Mbps with USB3.0- Support MU-MIMO RX- Support uplink MU-OFDMA TX and downlink MU-OFDMA RX- Support DBDC (dual band dual concurrent)- Support STBC, LDPC, TX Beamforming, and RX Beamforming- Greenfield, mixed mode, legacy modes support- IEEE 802.11 d/e/h/i/k/mc/r/v/w support- Security support for WFA WPA/WPA2/WPA3 personal, WPS2.0, WAPI- QoS support of WFA WMM, WMM PS- Bluetooth v5.2 with BLE (BT low energy)- Support BT/BLE dual mode- Integrated BALUN and PA with 15 dBm transmit power- Support BT/WiFi coexistence- Support 7 BT links and 16 BLE links- Contains dual BT controllers- Advanced FDD/TDD mode WiFi/Bluetooth coexistence scheme

Specifications

Scan this QR code to view the product
All details, up-to-date prices and availability