

Item no.: 375106

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

from **16,36 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, cost-effective 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 WPA 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

