

Item no.: 375152

## AWM27921U - WiFi 6/ 6e 2x2 + Bluetooth 5.2 Wireless USB M.2 Module

from **15,15 EUR**

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shipping weight: 0.10 kg  
Manufacturer: ALFA Network

### Product Description

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.

**Key features**• 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• Dual-band 2T2R mode• Data rate up to 800 Mbps with USB3.0• Support STBC, LDPC, TX Beamforming, and RX Beamforming• Bluetooth v5.2 with BLE (BT low energy)• Support BT/BLE dual mode• Support BT/WiFi coexistence**Specifications**- Chipset: MediaTek MT7921AUN- IEEE 802.11 standards: a/b/g/n/ac/ax- Frequency: 2.4 GHz/ 5 GHz/ 6 GHz- Bluetooth: v5.2- Data Rate: 11b: 1, 2, 5.5, 11 Mbps11a/g: 6, 9, 12, 18, 24, 36, 48, and 54 Mbps11n: up to 300 Mbps11ac: up to 866.7 Mbps11ax: up to 573.5 Mbps11ax: up to 1201 Mbps- Form factor: M.2 (USB bus)- Antenna connector: 2x IPEX (WiFi)/ 2x IPEX (BT)- Dimensions: 30 x 42 x 4.12 mm- Operating temperature: -25° C - 75° C- Operation voltage: 3.3 V- Power consumption: 755 mA (max.)- Operating systems: Microsoft Windows (10/11)/ Linux

### Specifications

**Scan this QR code to  
view the product**

All details, up-to-date  
prices and availability

