

WNFQ-261ACNI(BT)

802.11ac/a/b/g/n 2T2R Industrial-Grade

Wi-Fi / Bluetooth 4.2 Combo

M.2 2230 Module



Industrial-Grade Wi-Fi / Bluetooth Combo Solution M.2 2230 Module

SparkLAN WNFQ-261ACNI(BT) is an 802.11ac/a/b/g/n Dual-Band Wi-Fi / Bluetooth M.2 230 module based on Qualcomm Atheros QCA6174A chipset. This highly integrated module supports most of WLAN capabilities with seamless roaming and advanced security for enterprise application. The wireless module complies with IEEE 802.11 ac/a/b/g/n 2x2 MIMO. The Bluetooth Supports BT 4.2 + HS, BLE and is backwards compatible with BT 1.X, 2.X Enhanced Data Rate. The integrated module provides PCIE Interface for Wi-Fi and USB interface for Bluetooth. The download speed are 300Mbps on N networks and 867Mbps on AC network.

Adopting the latest 802.11ac solution. WNFQ-261ACNI(BT) is ideal for next-generation high throughput enterprise networking and Industrial-graded (-40°C~+85°C) solution. Incorporated with advanced security encryption, such as WEP, WPA, WPA2 and 802.1x, it helps prevent user's devices from malicious attacks.

Embedded Application

Applications include IPC/ Advertising machine/
OTT/ IPTV/ DVB/ STB / DV/ Mini Driving
Recorder/ Intelligent Projector Pico/ VR/ AR
terminal/ POS machine/ Vehicle mounted front/
Rear Terminal UAV/ Robot/ Intelligent Gateway/
Smart city and other electronic products.

Key Feature

- Supports low power PCIe (w/L1 substate) interfaces for WLAN and USB1.1 interface for Bluetooth.
- Support Bluetooth 4.2 + HS, BLE, ANT+ and be backwards compatible with Bluetooth 1.2, 2.X + enhanced data rate.
- NGFF (M.2) Form factor which is compliant with ROHS requirements.