

JUSTWIFI7™



WPM530

JustWiFi7™

Driverless, Ethernet-Connected Tri-Band Wi-Fi 7 Module Redefining Wireless Connectivity & Integration

JustWiFi7™ is a one-of-a-kind, driverless, tri-band concurrent Wi-Fi 7 modules that connects through Ethernet protocols. Designed to eliminate the complexity of traditional wireless integration, JustWiFi7™ makes high-performance Wi-Fi deployment faster, simpler and smarter. No kernel-specific drivers. No host-side firmware. No hassle. JustWiFi7™.

Powered by Qualcomm's IPQ5322 Quad-Core Cortex-A53 1.5GHz 'Miami' SOC and QCN6274 'Waikiki' radio chipset, JustWiFi7™ delivers true concurrent tri-band connectivity across 2.4GHz, 5GHz and 6GHz in a board about the size of two standard MiniPCIe adapters. It connects to the host CPU through Ethernet protocols at 10Gbps with all Wi-Fi processes including Multi-Link Operation (MLO) happen inside the module.

Engineered for speed, simplicity and scalability, JustWiFi7™ breaks away from conventional Wi-Fi module design. This drastically reduces software integration such as requiring kernel-specific driver or host-side firmware, while expanding cross-platform compatibility from Intel x86 to ARM-based System on a Chip (SoCs) from NXP to Marvell regardless of operating system. Whether you're developing network appliances, smart devices, edge computing or enterprise solutions, JustWiFi7™ simplifies your wireless design while unlocking the full potential of Wi-Fi 7 capabilities.

Features

-  Based on Qualcomm IPQ5322 SoC, Quad-Core Cortex-A53 @ 1.5GHz processor & QCN6274 'Waikiki' radio chipset.
-  2x2 on-board 2.4GHz, 5GHz and 6GHz radio.
-  MiniPCIe interface for power input only*
**powering through either interface is sufficient*
-  10Gbps serial interface, using Ethernet protocol.
- MLO** Support Multi-Link Operation (MLO).
-  Compatible with Intel x86 and ARM-based SoCs on any OS.
-  EasyMesh-Capable Mesh Networking Systems.

Why Complex JustWiFi7™?

-  **True Tri-band Wi-Fi 7**
Power your products with the next-gen Wi-Fi 7.
-  **Driverless Ethernet Integration**
Skip the driver development. JustWiFi7™ connects via Ethernet Protocols with any host platform.
- MLO** **MLO Without Hassle**
Unlock MLO for better throughput, lower latency and greater reliability without host-specific drivers or Qualcomm-only constraints.
-  **Accelerated Time-to-Market**
Simplifies wireless product development by removing driver development and firmware dependencies.
-  **Flexible Configuration**
Configure and manage with ease via command line.