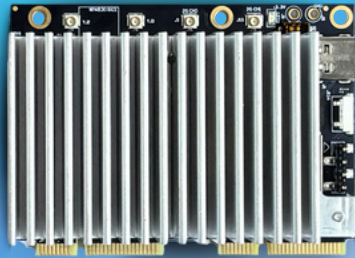# JUSTWIFI⁷ ™

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 over USB-C 3.2 cable, 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.

- Support Multi-Link Operation (MLO).

- Compatible with Intel x86 and ARM-based SoCs on any OS.

- EasyMesh-Capable Mesh Networking Systems.

Why Compex 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 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.