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 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.

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