MediaTek Filōgic 860

Mainstream BE7200 Wi-Fi 7 AP/Router/Gateway Platform

BE7200 Wi-Fi 7

The MediaTek Filogic 860 upgrades mainstream wireless performance, range and connection reliability, and adds comprehensive support for the latest Wi-Fi networking features.

- DBDC 2.4GHz + 5GHz + 6GHz
- Industry-leading single-chip MAC MLO assures lowest latency
- Support for 4096-QAM, MLO, MRU, OFDMA RU, and MU-MIMO
- Up to 160MHz channel bandwidth
- Automatic Frequency Coordination (AFC)

MediaTek Xtra Range™ Maximizes 5/6GHz Reach

A unique 5T5R system extends the range, reliability, and performance of the 5/6GHz band versus competing solutions.

- Counteracts path-loss limitations of 5/6GHz frequencies, boosting indoor performance
- Ideal for high-performance mesh backhaul
- 5th chain allows for improved Receive Diversity and support MRC (Multiple Receive Combining)
- Dedicated-DSP for Tx memory DPD

Premium Connectivity Speeds & Rich Interfaces

Multi-gigabit Ethernet options are ideal for fiber connections, SMB and tech enthusiasts that require the fastest data networking speeds.

- 1x 10Gbps Ethernet
- 1x 2.5Gbps Ethernet
- 4x 1Gbps Ethernet
- Multiple PCI-Express Generation 3.0 Root-complex host controllers
- 2x USB 3.2
- UART, SD, SPI, PWM, GPIO and OTP

MediaTek NPU & Ultra-high Speed Networking Crypto Engine

The dedicated MediaTek Network Processing Unit (NPU) offloads the main CPU to ensure full speed networking performance, while also improving power-efficiency.

- NPU ensures full-speed Wi-Fi to Ethernet performance
- HW IPv4 NATP / IPv6 / DS-Lite / 6RD acceleration
- Hardware QoS acceleration
- Tunneling Offload Engine for VLAN / PPTP / L2TP / GRE
- Ultra-high Speed Networking Crypto Engine for IPSec, SSL/TLS, DTLS(CAPWAP), SRTP and MACsec

Powerful Triple-core CPU

The high-performance CPU is ideal for device makers to apply software customizations and built-in services and apps for extended functionality.

- 3X Arm Cortex-A73 64-bit CPU up to 1.8GHz
- Over 20K DMIPS performance
- Flexible DDR3/4 support

To Know More:
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