MediaTek Dimensity 900

Powering the cameras, performance and battery-life you need for every occasion

**Premium Tech**
- Packed with the latest high performance CPU, memory and storage technologies to give users flagship-grade experiences
  - Octa-core with Arm Cortex-A78 cores up to 2.4GHz
  - Ultra-fast LPDDR5 memory
  - The fastest UFS 3.1 storage

**Exceptionally Power-efficient**
- MediaTek’s chip and its array of technologies inside are all optimized for exceptional power efficiency.
  - Ultra-efficient 6nm chip – 8% more power efficient than equivalent 7nm
  - All-in-one: Fully integrated 5G modem & Wi-Fi connectivity
  - Exclusive MediaTek 5G UltraSave technologies
  - Efficiency-optimized Arm Mali-G68 GPU

**5G Faster 5G**
- The industry’s most capable 5G-integrated modem gives you incredible connected experiences, every day.
  - Up to 2CC CA covering 120MHz spectrum, 20% faster than competitor CA
  - Reliable 5G that reaches further: Mixed duplex FDD+TDD CA
  - True Dual 5G SIM (Standalone + Standalone)
  - Latest VoNR services

**4K HDR Video Capture Hardware**
- Unique in-chip camera hardware that assures photo and video captures are always impressive, whether shooting during the day or at night.
  - Hardware-accelerated 4K HDR video capture engine
  - Excellent noise reduction combining 3DNR + MFNR
  - 108MP camera support

**4K HDR Video Playback & Display**
- MediaTek’s display and video technologies bring cinema-grade visual experiences to the small screen.
  - Smooth 120Hz FullHD+ displays
  - Real-time HDR composer (SDR to HDR)
  - HDR10 content upgraded to HDR10+ -like in real-time
  - Enhanced HDR10+ video playback with per-frame local tone mapping

**Bringing Wi-Fi 6 to the Mid-Range**
- We’re enabling mid-range smartphones with the latest Wi-Fi 6 connectivity.
  - Faster Wi-Fi 6 with better signal quality from 2x2 antenna
  - Fully integrated connectivity gives compact platform and better efficiency

https://i.mediatek.com/dimensity-900

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