

# MediaTek Dimensity 9400

## Ultimate All Big Core design

2<sup>nd</sup> generation all big core continues to lead the industry by accelerating single threaded performance to new extremes.

- 1X Cortex-X925 (3.62GHz), 3X Cortex-X4 + 4X Cortex-A720
- Exclusive Armv9.2 advantage
- 100% more L2 cache, +50% more L3 cache<sup>1</sup>
- +35% single-threaded performance<sup>1</sup>
- +28% sustained multicore performance<sup>1</sup>
- 2<sup>nd</sup> Gen TSMC 3nm process
- -40% power use<sup>1</sup>

## Fantastic Mobile Gaming

The 12-core Immortalis-G925 GPU excels at traditional and raytraced graphics, while also enhancing visual effects.

- 41% peak performance<sup>1</sup>
- 40% raytracing performance<sup>1</sup>
- 44% power saving<sup>1</sup>
- Realistic effects from opacity micromaps (OMM)
- MediaTek Adaptive Gaming Technology (MAGT) 3.0
- MediaTek Frame Rate Converter
- HyperEngine's Super Resolution<sup>2</sup>

## Unparalleled Zoom Experience

MediaTek Imagiq 1090 provides HDR video recording throughout the entire zoom range.

- Full-range HDR zoom + smooth video zoom with sustained target focus
- Generative-AI Super Zoom for high quality photo capture
- 4K60 video capture: -14% power use<sup>1</sup>



## Ready for Trifoldables

Ready for the next generation of trifold smartphones that extend screen real estate into unparalleled freedom for apps, immersive entertainment, and productivity.

- Dedicated 3X MIPI-DSI for tri-fold displays

## Superior Sound Sensations

Exceptional sound recording hardware and immersive, audiophile-grade wireless sound for smartphones.

- Up to 24bit/384KHz BT Audio
- Up to 6 mic with 24-bit audio recording
- AI Audio Focus eliminate sudden and unwanted noises

## Unlocking the Agentic AI era

8<sup>th</sup> Generation NPU with new Agentic AI capabilities, plus continued growth of our generative AI ecosystem and collaborations.

- World's 1<sup>st</sup> Agentic AI engine (Dimensity Agentic AI Engine)
- World's 1<sup>st</sup> high-quality on-device video generation
- World's 1<sup>st</sup> on-device LoRA training
- >50 token MLLM generation performance
- +100% diffusion generation performance
- +80% LLM prompt performance

## 5G-Advanced modem with in-chip AI

Support for the latest global 5G-A standard, and a refreshed RF front-end upgrades connectivity performance.

- 4CC-CA up to 7Gbps sub-6GHz performance
- AI UAC 3.0: +30% performance
- AI Network Suite 2.0: +15% performance
- MediaTek UltraSave 4.0: -18% power use
- 5G/4G Dual SIM Dual Active, Dual Data

## Wi-Fi 7 with tri-band concurrency

Achieve faster speeds with Wi-Fi 7 that now connects to all three bands simultaneously.

- Up to 7.3Gbps data rate
- New 4nm Wi-Fi/Bluetooth combo chip: -50% power use<sup>1</sup>
- MediaTek Xtra Range™ 3.0, which delivers up to 30m greater Wi-Fi coverage.
- Phone-to-Phone direct Bluetooth connections reach up to 1.5km

1. compared to previous generation Dimensity flagship  
2. codeveloped by MediaTek and Arm based on Arm ASR