MediaTek Dimensity 9300+

5G

MediaTek Dimensity 9300+

All Big Core CPU: Next level Performance

Taking flagship devices to the next level with increased clock speeds.

- 1X Cortex-X4 up to 3.4GHz
- 3X Cortex-X4
- 4X Cortex-A720
- 18MB L3 + SLC cache
- Up to LPDDR5T 9600Mbps supported
- UFS 4.0 + MCQ
- 3rd Gen TSMC 4nm-class + MediaTek Optimized Packaging

Best-in-class Generative AI Engine

On-device generative AI processing for multimodal applications.

- Support for on-device LoRA Fusion and NeuroPilot LoRA Fusion 2.0
- Up to 10% performance boost with NeuroPilot Speculative Decode Acceleration
- ExecuTorch Delegation support

Gen-AI collaborations

- 01.AI Yi-Nano
- Alibaba Cloud Qwen LLM
- Baichuan AI
- ERNIE-3.5-SE
- Google Gemini Nano
- Meta Llama 2 & Llama 3

MediaTek HyperEngine: MediaTek Adaptive Gaming Technology (MAGT)

Intelligent gaming and app performance for top-tier smartphones.

- Play for longer with lower power consumption in popular titles
- Flagship performance without slowdown for up to an hour
- Fast load speeds and impressive thermal management

MediaTek HyperEngine: Network Observation System (NOS)

Optimizes game networking, enabling leading gaming studios to greatly improve dual-network concurrency.

- Precise Network Prediction
- Significantly more efficient Wi-Fi/cellular dual network concurrency
- Up to 10% power savings[2]
- Up to 25% cellular data savings[2]
- Ensures a smooth and stable connection for online gaming
- Collaboration with Tencent GCloud

Flagship 12-core GPU

Play the most popular online games at 90FPS in HDR up to 20% more efficiently[1].

- Latest Arm Immortalis G720
- Incredible raytraced graphics
- Console-level global illumination effects

1) Compared to competitor flagship alternative platforms
2) Advantage between MediaTek NOS enabled vs disabled in supporting game titles