

## Incredible High Frame Rate Gaming Experiences

With up to 3.1GHz CPU speeds and a powerful Mali-G610 graphics engine, enjoy popular games with smooth, fast framerates, and impressive graphics.

- Ultra-efficient 4nm-class chip
- Octa-core CPU with Arm Cortex-A78 speeds up to 3.1 GHz
- Arm Mali-G610 graphics engine
- Quad-channel LPDDR5

## MediaTek HyperEngine 6.0 Gaming Technologies

HyperEngine 6.0 ensures every millisecond matters so gamers can play without connection drops, FPS jitter, input delay or gameplay hiccups.

- Frame Rate Smoother 2.0
- MediaTek Intelligent Display Sync 2.0
- Smart Resource Optimization for CPU threads
- AI-enhanced Variable Rate Shading technology (AI-VRS)
- 5G Modem Express

## MediaTek Imagiq 785 Camera

Snap incredible 320MP images, capture true-to-life 14-bit HDR video on up to three cameras simultaneously, and record cinematic video by double camera capture for most natural bokeh effect.

- Premium 14-bit HDR-ISP
- 320MP primary camera + 4K HDR video capture
- Exceptionally fast AI-noise reduction for photo capture
- Simultaneous triple camera 14-bit HDR video recording
- Cinematic video with bokeh



## Partnerships

Dimensity 5G Open Resource Architecture allows device makers to create unmatched smartphones that stand out in unique ways across camera, APU, display and connectivity.

## MediaTek APU 580

A powerful AI processor that maximizes power efficiency, unlocking new device experiences, enhanced visuals and upgraded performance.

- Fastest ETHZ benchmark performance in its class
- Ideal for AI-multimedia, AI-camera, and social video experiences

## MediaTek MiraVision 785 Display

Superfast, pin-sharp displays with MediaTek Intelligent Display Sync 2.0. Flagship-grade experiences with maximized power efficiency by intelligent refresh rate adjustment that provides fast responsiveness only when required.

- 120Hz WQHD+ / 180Hz Full HD+ displays
- MediaTek Intelligent Display Sync 2.0
- AI SDR-to-HDR video playback
- HDR10+ Adaptive support
- Smart BluLight Defender
- 4K AV1 media decoding

## Powerful Connectivity

The fully integrated 5G modem includes the latest 3GPP Release-16 standard technology and 3CC carrier aggregation, amplifying sub-6GHz performance to be more effective than ever before.

- 3CC 5G sub-6GHz
- MediaTek 5G UltraSave 2.0
- Tri-band Wi-Fi 6E 2x2 with MediaTek Wi-Fi Fast Path technology
- Bluetooth 5.3
- Bluetooth LE Audio technology with Dual-Link True Wireless Stereo Audio