MediaTek Dimensity 9000+

**MediaTek Dimensity 9000**

**WELCOME TO THE NEXT LEVEL OF INCREDIBLE**

**MediaTek HyperEngine 5.0**

Exclusive gaming technologies that ensure longer lasting, amped visuals with smoother gameplay.

- AI-enhanced variable rate shading technology (AI-VRS)
- Raytracing development tools available for game developers
- Hybrid AI-GPU Super Resolution for gaming for Android
- MediaTek Wi-Fi Fast Path for lower latency connections
- Wi-Fi/Bluetooth Hybrid Coexistence 2.0

**Leading 3GPP Release-16 5G Smartphone Modem**

Extremely powerful sub-6GHz performance with latest 3GPP Release-16 standard technology 5G modem that’s built directly into the chip.

- Up to 7Gbps super-fast downlink
- MediaTek 5G UltraSave 2.0 power-saving enhancement suite
- R16 UL Tx Switching for both SUL and NR UL-CA based connections
- Dual SIM Dual 4G/5G Active (DR-DSDA)

**Latest Connectivity & Wireless Audio**

Empowered connectivity the very latest Wi-Fi, Bluetooth and GNSS technologies.

- Wi-Fi 6E 2x2 (BW160) with latest tri-band 2.4GHz, 5GHz and 6GHz support
- Bluetooth 5.3 with Bluetooth LE Audio-ready technology
- Dual-Link True Wireless Stereo Audio
- Beidou III-B1C GNSS support

**MediaTek Imagiq 790**

The flagship 18-bit HDR-ISP can record HDR video on three cameras simultaneously, ensuring you never miss anything!

- Incredibly powerful 9Gpixel/s ISP
- Simultaneous triple camera HDR video recording
- 320MP camera support for smartphones
- Record 4K HDR video with powerful AI-noise reduction
- Exceptionally fast AI-noise reduction for photo capture

**MediaTek APU 590**

5th Generation AI engine achieves maximum effective performance in AI-mediad, -gaming, -camera, and social video experiences.

- Up to 4X power efficiency upgrade vs last generation
- End-to-end upgrade maximizes efficiency

**MediaTek MiraVision 790**

The latest HDR support, the fastest displays with intelligent technologies that ensure excellent power-efficient and the best visual enhancements in every app, media stream and game.

- New HDR3+ Adaptive video support
- 144Hz WQHD+ or 180Hz Full HD+ displays
- MediaTek Intelligent Display Sync 2.0
- Wi-Fi Display up to 4K60 HDR10+

Even More Speed. Same Incredible Power Efficiency.

Our flagship chip is now even faster. The higher clocked Arm Cortex-X2 GPU and Arm Mali-G710 MC10 graphics engine raise performance even further!

- Our fastest ever Arm Mali-G710 MC10 graphics engine
- Ultra-Core - 1x Arm Cortex-X2 at 3.2GHz
- Super-Core - 3x Arm Cortex-A710 up to 2.85GHz
- Efficiency Cores - 4x Arm Cortex-A510
- LPDDR5X up to 7500Mbps – 20% more power efficient than LPDDR5
- Industry-leading TSMC N4 (4nm-class) chip production process

**MediaTek Dimensity 9000+ Specifications**

<table>
<thead>
<tr>
<th>Process</th>
<th>TSMC N4 (4nm-class)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPU</td>
<td>1x Arm Cortex-X2 at 3.2GHz</td>
</tr>
<tr>
<td>GPU MediaTek HyperEngine 5.0</td>
<td>Arm Mali-G710 GPU MC10</td>
</tr>
<tr>
<td>APU</td>
<td>MediaTek APU 590</td>
</tr>
<tr>
<td>Camera</td>
<td>18-bit HDR-ISP fusion up to 9Gpixel/s</td>
</tr>
<tr>
<td>Display</td>
<td>144Hz WQHD+ / 180Hz Full HD+</td>
</tr>
<tr>
<td>Audio</td>
<td>Bluetooth LE Audio-ready technology with Dual-Link True Wireless Stereo Audio</td>
</tr>
<tr>
<td>Connectivity</td>
<td>Wi-Fi 6E 2x2 (BW160) and Bluetooth 5.3</td>
</tr>
<tr>
<td>Memory</td>
<td>LPDDR5X up to 7500Mbps</td>
</tr>
<tr>
<td>Modem</td>
<td>3GPP Release 16 5G modem</td>
</tr>
<tr>
<td>Customization</td>
<td>Dimensity 5G Open Resource Architecture ready</td>
</tr>
</tbody>
</table>

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