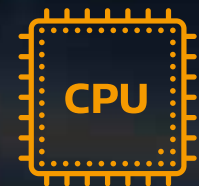


MediaTek Dimensity 820

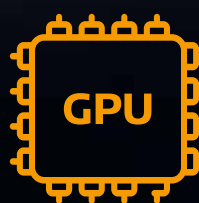
Incredible 5G Experiences with this Best-in-Segment Performer



'Big Core' Powerhouse

- 4X Arm Cortex-A76 up to 2.6GHz
- 4X Arm Cortex-A55 up to 2GHz
- 5X Arm Mali-G57 GPU

Four big Arm cores with up to 2.6GHz super-speeds mean faster games, faster app loading, and overall boosted multi-core performance.



MediaTek HyperEngine 2.0 Gaming Technology

The new MediaTek HyperEngine 2.0 delivers a powerful gaming experience with network optimizations that reduce latency for smoother gameplay, support faster response times and enhance display quality.

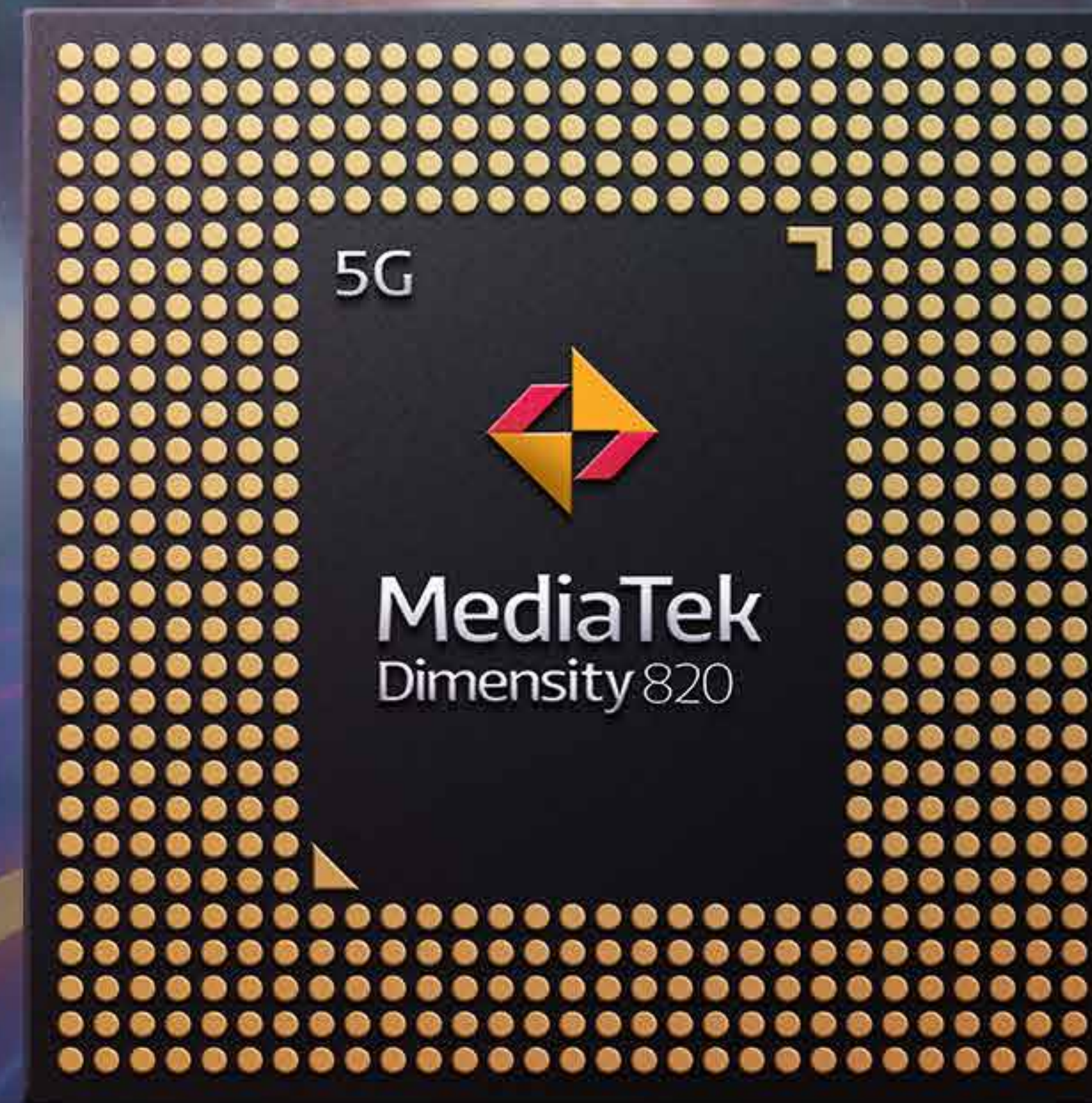
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Technology-Leading, Fully Integrated 5G SoC

- **Essential 2CC Carrier Aggregation**
Over 30% greater coverage layer than 1 CC CA, plus seamless handover between two 5G connection areas.
- **MediaTek 5G UltraSave**
The World's Most Power Efficient Smartphone 5G Modem Design with exclusive technologies.
- **Dual 5G SIM with VoNR**
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MediaTek APU 3.0

The unique design of MediaTek's APU 3.0 (AI Processing Unit) produces more precise results for AI-Recognition, AI-Super Resolution and AI-deblur functions, while also maximizing power efficiency.



MiraVision Video Playback

MediaTek MiraVision intelligently adjusts a wide range of video playback dynamics to bring a cinema-grade visual experience to the small screen.

AI-PQ | HDR Composer (SDR to HDR) |
Enhanced HDR10+ video playback

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Fantastic 120Hz Displays

Rapid refresh displays are ideal for gaming, while also better for smoother scrolling of webpages and animations in apps.



MediaTek Video Capture & Streaming

MediaTek Dimensity supports up to 80MP cameras, 4K HDR video recording and dedicated imaging processors and accelerators for incredible results every time.

Multi-Frame 4K HDR Video Capture | HDR-Native ISP

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