

# MediaTek Dimensity

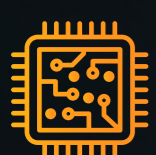
## MediaTek's Fast & Smart 5G Chipset Family

The MediaTek Dimensity 5G chipset family brings smart and fast together to power the world's most capable 5G devices. It's an unrivaled combination of connectivity, multimedia, AI and imaging innovations for premium and flagship smartphones.

### MediaTek Dimensity 1000

### MediaTek's Premium Integrated 5G Chipset

**Dimensity 1000, a single 5G chip solution with integrated 5G modem, redefines the smartphone experience with advanced technologies - packed into a 7nm chip and tuned for 5G performance.**

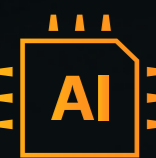


#### Expect Incredible Performance & Experiences

An incredible processing powerhouse with four big cores operating up to 2.6GHz, plus four power-efficient cores. Gamers get stunning graphics with an Arm Mali-G77 MC9 GPU.

**CPU** 4X Arm Cortex-A77  
4X Arm Cortex-A55

**GPU** Arm Mali-G77 MC9



#### Hexa-Core AI Processor

MediaTek newest AI Processing Unit - APU 3.0 - houses six AI processors (two big cores, three small cores and a single tiny core) to meet smartphone AI needs. APU 3.0 offers a huge 4.5 TOPS performance.



#### Dimensity Speed for Sub-6GHz

Delivers up to 4.7Gbps performance, full 5G Stand Alone and Non-Stand Alone support and 2G to 5G support. Fully integrates a 5G NR (Sub-6GHz) modem that's capable of two carrier aggregation. Carrier aggregation means greater coverage, smoother handoffs and faster performance by combining multiple 5G connections together and more seamless handovers between two connection areas.

#### Benchmarks

**Antutu (CPU Benchmark): 511363**  
(As of November 2019)

**ETHZ (AI Benchmark): 56158**  
(As of November 2019)



#### Built for Imaging & the Biggest Mega-Pixels

Dimensity 1000 incorporates a world's first 5-core ISP. It supports the latest series of 80MP cameras and a range of multi-camera options (Up to 32+16MP dual cameras & sub-cameras for telephoto, HDR or depth processing).



#### First Multi-Exposure HDR Video

Records 4K video by capturing every three frames at different exposures and intelligently fuses them into a single video stream in real-time. The results are unprecedented for capturing stunning video in any environment.



#### Most Power Efficient 5G Modem

Integrating our 5G modem into a single chip solution gives MediaTek Dimensity 1000 a distinct advantage in power efficiency. It consumes less power than two chip solutions. The integrated design also reduces overall platform size, making room for other device maker features like bigger batteries & larger camera sensors.



#### World's First Dual 5G SIM

Dimensity 1000 sets the trend as the world's first dual 5G SIM technology. It can support services like VoNR and deliver a consistent user experience for speed and service quality via both connections.



**With MediaTek Dimensity Expect Incredible.**

[mediatek.com/products/smartphones/dimensity-1000](https://mediatek.com/products/smartphones/dimensity-1000)

**This Chip Changes Everything**

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