

MediaTek Unveils Dimensity 9500s and Dimensity 8500 to Propel Performance, Gaming and Efficiency in Flagship and Premium Smartphones at MediaTek Tech Day

Category: Business

written by International Khabar | February 6, 2026



[MediaTek](#), the world's leading fabless semiconductor company powering nearly 2 billion connected devices each year, unveiled the Dimensity 9500s and Dimensity 8500 at the MediaTek Tech Day in Delhi today. Both chipsets are engineered to lead the flagship and premium smartphone segments, delivering outstanding performance, efficiency, AI, imaging, gaming and wireless connectivity, powered by an **"All-Big Core"** architecture and industry-leading Agentic AI capabilities. Representatives from the media, tech analysts, and OEMs were also in attendance, witnessing firsthand the innovations and advancements showcased by the new chipsets. OPPO India and

POCO India also took to stage to announce smartphone lineups for the Indian market, based on the flagship MediaTek Dimensity 9500s SoC.



Anku Jain (MD, MediaTek India); Ken Sekhar (Marketing Lead, POCO India); Anuj Sidharth (Director, MarCom, MediaTek India & SEA); Goldee Patnaik (Head of Comms, OPPO India)

"As leaders in smartphone global share, we are committed to increasing our investment in advanced technologies and striving to make bleeding-edge products available to more people," said JC Hsu, corporate senior vice president at MediaTek and general manager of the Wireless Communications Business Unit. "This mission is evident in this pair of Dimensity chipsets, which are intended to provide more flagship and premium smartphone experiences while upholding our vision in bringing the best possible performance and power efficiency to more people."

MediaTek Dimensity 9500s: Designed for the ultimate flagship experience

Built on a cutting-edge 3nm process and featuring an All-Big Core architecture, the MediaTek Dimensity 9500s delivers powerful performance with improved energy efficiency.

The flagship SoC features an octa-core CPU comprising one Cortex-X925 ultra core clocked at up to 3.73GHz, three Cortex-X4 premium cores and four Cortex-A720 performance cores. It also integrates the Immortalis-G925 GPU, delivering a full-frame, immersive experience for demanding mobile games and supporting advanced ray tracing to meet the performance expectations of gamers. The powerful NPU in the Dimensity 9500s is optimized for generative reasoning and multi-modal models, enabling a more advanced flagship edge camera experience and enhanced content creation capabilities.

Dimensity 9500s features include:

- 8K full-focus Dolby Vision HDR recording with real-time 30fps motion tracking via the MediaTek Imagiq ISP.
- Adaptive game technology 3.0 (MAGT 3.0) and frame technology 3.0 (MFRC 3.0) significantly improve energy efficiency, prolonging device battery life.
- 5G Release-17 modem supports 4CC-CA and up to 7Gbps downlink.
- Support for MediaTek 5G UltraSave 4.0 power saving technology.
- AI Network Suite 2.0, designed to enhance network performance in weak connectivity environments
- Support for MediaTek Xtra Range 3.0 technology,

extending indoor Wi-Fi coverage, while enabling phone-to-phone Bluetooth direct connections of up to 5 kilometres.

MediaTek Dimensity 8500: Powerful Performance for Ultra-Fast Play

The MediaTek Dimensity 8500 adopts an energy-efficient 4nm process, and the All Big Core CPU architecture includes eight Cortex-A725 cores with a frequency up to 3.4GHz, which further improves performance and energy efficiency. Dimensity 8500 supports accurate scheduling technology and LPDDR5X 9600Mbps memory with higher transmission speed, so users can enjoy smooth and long battery life in daily applications, games and multitasking.

With its fully upgraded computing core and gaming engine, the Dimensity 8500 brings players a refreshing experience with full frame stabilization, rapid loading and high energy efficiency. In addition, Dimensity 8500 also applies ray tracing technology to mainstream mobile games, providing more realistic image quality effects and significantly enhancing the player's immersion.

Dimensity 8500 features include:

- MediaTek 8th-generation NPU supports global mainstream big language models (LLM/MLLM) and image generation models.
- The integrated Mali-G720 GPU delivers a 25% performance boost over the previous generation.

- Support AI ultra-clear telephoto algorithm.
- Dimensity AI semantic engine, which can intelligently optimize image content frames.

*“With the launch of the MediaTek Dimensity 9500s and Dimensity 8500, we are democratizing the flagship experience. Equipped with All Big Core architectures, agentic AI and flagship imaging capabilities, the chipsets bring next-gen user experience to a wider audience,” said **Anuj Sidharth, Director, Marketing and Corporate Communication, MediaTek India and SEA Region.***

*“Building on the success of the Find X9 series powered by Dimensity 9500, including multiple industry awards received by Find X9 Pro, OPPO will soon introduce Find X9s in India, a new addition to the Find X9 series powered by MediaTek Dimensity 9500s. As the entry point into OPPO’s flagship ecosystem, it reflects a refined and balanced approach shaped by our engineering philosophy, with more details to be shared through our official communication,” said **Goldee Patnaik, Head of Communications at OPPO India.***

Ken Sekhar, Marketing Lead, POCO India said, “At POCO, performance is a core philosophy that guides how we design and build our devices. Our long-standing partnership with MediaTek strengthens this approach through a shared focus on delivering meaningful upgrades in real-world smartphone performance. We congratulate the MediaTek team on the development of the MediaTek Dimensity 9500s and are proud to bring this advanced platform to a POCO smartphone soon. This chipset will enable a new generation of performance-led experiences, and with our

upcoming device, we aim to set benchmarks that truly matter to users."

MediaTek Tech Day is an interactive platform showcasing the latest innovations shaping everyday life and underscoring MediaTek's commitment to making advanced technology accessible to consumers.

