NVIDIA RTX Spark PCs Are Here: A New Chip, Built with MediaTek, for AI Agents, Creating, and Gaming

NVIDIA RTX Spark PCs are here, and they're built around a chip that MediaTek helped bring to life. RTX Spark combines NVIDIA's Blackwell GPU architecture with a high-performance Grace CPU, custom built with MediaTek, giving Windows PCs the horsepower to run AI agents locally on the device, accelerate their creativity, and play immersive games. Read more about these impressive new devices:

A Look at the RTX Spark Lineup

IOT

Powering the Future of Transportation and Fleet Management

Transportation connects the communities around us. Without it, supply chains and global economies come to a halt. With it, the world becomes smaller, streamlining the delivery of crucial resources that fuel our daily lives, improving urban mobility and redefining how far we can go.

As a technology-driven industry, transportation is a core element of smart cities. MediaTek powers intelligent vehicles, fleet management, and infrastructure with advanced IoT solutions. These solutions enhance safety and security, enable easier mobility and promote greater sustainability by reducing the industry's environmental impact. Explore how MediaTek powers smart transportation across several use cases.

Read more

PERSONAL COMPUTING

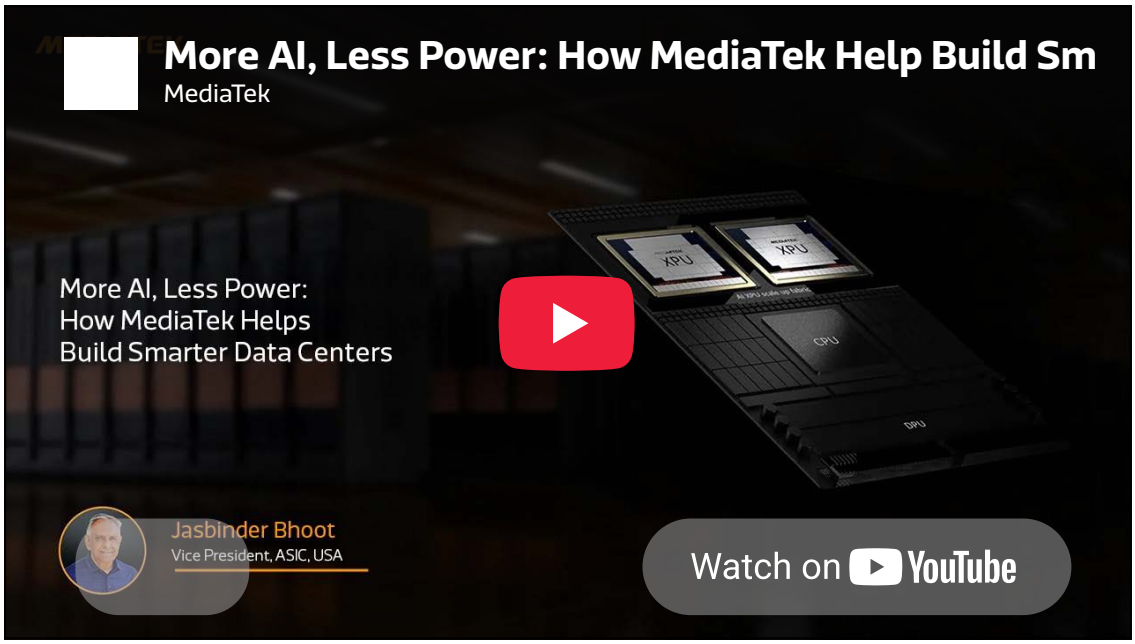
MediaTek and NVIDIA Reveal the Power-efficiency Breakthroughs in DGX Spark

As one of the world's smallest personal AI supercomputers, NVIDIA's DGX Spark packs a ton of performance into a compact, power-efficient design. MediaTek and NVIDIA explain how we co-designed the GB10 Grace Blackwell Superchip to optimize power and performance in DGX Spark.

Watch more Inside Tek

DATA CENTER

How MediaTek Helps Build Power-Efficient Data Centers



AI is changing what data centers need to deliver, and the pressure on power, cost and speed has never been higher. Jasbinder Bhoot, Vice President, ASIC, USA, discusses how MediaTek's technology helps hyperscalers and cloud providers build AI infrastructure that does more with less, from the first design decisions through deployment and growth.

By bringing together custom silicon, advanced packaging, high-speed connectivity and rack-scale solutions, MediaTek helps ASIC customers get more performance from every watt.

Inside MediaTek's Approach to Scalable Silicon Design

Silicon design is about more than just building a chip. In this Inside Tek video, PD Rajput, Vice President, Product Management & Marketing at MediaTek explains how a hardware-software co-design approach creates agile, flexible, and scalable platforms as the industry's needs evolve.

Watch more Inside Tek

MediaTek at OCP Global Summit 2026: Making Our Mark in the Data Center

From October 12th to 16th, MediaTek joined OCP Global Summit 2026, the tech industry's premier conference dedicated to infrastructure design for data centers. This year we presented several demos to the show floor, with the space allowing us to spotlight our recent collaboration with NVIDIA, as well as showcase our growing custom ASIC and interconnect technology portfolio. We welcomed key customers and analysts, reinforcing just how central the data center is to MediaTek's broader business strategy.

5G

MediaTek M90 Modem: Bringing LTM to Market
5G NR Technical Article

5G Release 18 L1/L2 Triggered Mobility (LTM) is an effective new standard for faster cellular handover. Turning the LTM specification into a real user benefit takes more than a standard; it requires a 5G modem that can execute the procedure's tight preparation, synchronization, and switch timing correctly, under real radio conditions on a live network.

The MediaTek M90 modem has done exactly that: it was the vehicle behind the industry's early live-network validations of LTM, and the AT&T and KDDI field trials described next show what that translates to in measured interruption time.

The MediaTek M90 implementation has been validated in field conditions on commercial infrastructure, not just in the lab, giving operators evidence that the feature works outside controlled test environments. For device makers and operators planning XR and cloud-gaming services, that is the difference between a promising specification and a deployable one.

Read our technical article that details how 5G Release 18 L1/L2 Triggered Mobility (LTM) is an effective new standard for faster cellular handover, and the field trials that prove it.

Read now (PDF)

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