

# MediaTek Genio 700

High-performance edge-AI IoT platform for smart home, interactive retail, industrial and commercial applications. Provides highly responsive edge processing, advanced multimedia, multi-tasking OS and more.



## Ideal Applications

Designed for products suitable for fanless enclosure designs and off-grid power solutions.

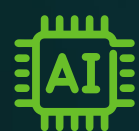
- Smart Retail: Digital signage, desktop POS
- Industrial: Edge AI, IoT gateway, HMI
- Smart Home: Fitness, smart home appliances



## Superb Edge Performance and Efficiency

High-performance TSMC N6 (6nm) SoC featuring octa-core CPU, graphics engine, and AI multi-processor.

- 2X Arm Cortex-A78 CPUs
- 6X Arm Cortex-A55 CPUs
- Arm Mali-G57 GPU MC3
- Quad-channel LPDDR4X



## AI performance

Versatile 4 TOPS AI multi-processor useful for Deep Learning, Neural Network acceleration, and Computer Vision applications.

- MediaTek DLA + VP6
- MediaTek NeuroPilot SDK
- INT8, INT16 + FP16 capable



## Android and Linux ready

Supports popular multi-tasking OSes that allow easy development and deployment of demanding edge applications.

- Android
- Yocto Linux
- Ubuntu



## Advanced Multimedia

Ideal for streaming video services, video conferencing, and visually interactive applications.

- 4K display ready
- Dual display support
- Video encoding up to 4K 60fps with HEVC
- Video decoding up to 4K 75fps
- AV1 hardware decoding engine
- 32MP @ 30fps camera ISP



## Platform Security & Longevity

MediaTek provides secure platforms ready for Enterprise and Industrial deployments.

- Arm SystemReady certification
- Arm PSA certification for security
- 10+ year product lifetime



## Connectivity & Interfaces

Expand the platform to meet application specific needs via common interfaces and MediaTek's wireless portfolio.

- PCI-Express
- USB
- Gigabit Ethernet
- Optional Wi-Fi 6 / 5G