

MEDIATEK

IoT Business Update

Sameer Sharma

AVP OF MEDIATEK'S
INTERNET OF THINGS
BUSINESS (AMERICAS
& EUROPE)

Accelerating AI Innovation from Edge to Cloud

AI Phones & Chromebooks



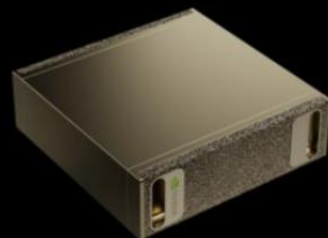
AI IoT



AI Automotive



AI Supercomputer for
Cloud Developers



AI ASIC



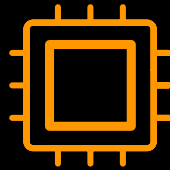
MediaTek IoT Journey

ORGANIZATION & CULTURE



- Vertical Markets
- New Skillsets
- Global Focus

PRODUCTS & ROADMAP



- Technology & Product Leverage
- Open Standard Platforms
- Digital Transformation
- Longevity

ECOSYSTEM & PARTNERSHIPS



- Strategic Partners
- Scaling Partners
- Multiple Paths to Market

IoT Platforms Overview

Distinct Series for Specific Applications



MediaTek Genio

- ✓ Open Platform
- ✓ Broad Ecosystem
- ✓ Broad Based Applications
- ✓ Rich Interfaces
- ✓ Longevity (10 yrs)

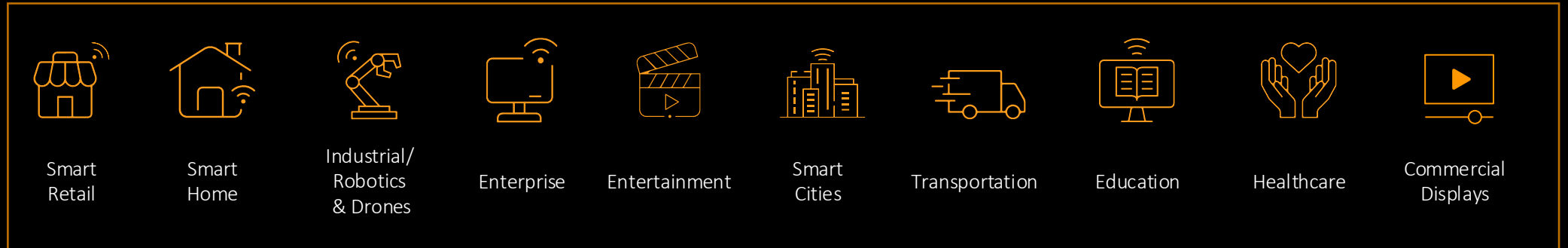


MediaTek IoT-Modem

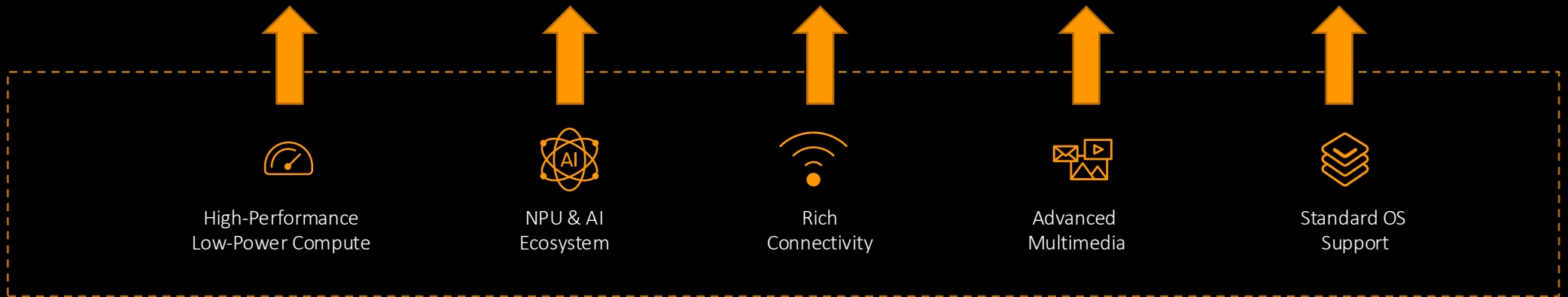
- ✓ Portable Applications
- ✓ High Integration
- ✓ Longevity (7 yrs)
- ✓ Cellular Capability
- ✓ Low Power
- ✓ 4G/5G Experienced Customers

IoT Target Verticals & Applications

Vertical Market Focus



Enabling Technologies



Customer Success Cases

SMART RETAIL

Lenovo INSTORESCREEN™



Genio 700

ingenico



Genio 350

CCC TECH



IoT-Modem

POSIFLEX



Genio 700

ENTERPRISE

BARCO



Genio 700

Qbic



Genio 700

POWER-POLE

NEXA



IoT-Modem

SECO



Genio 510

ezurio



Genio 510

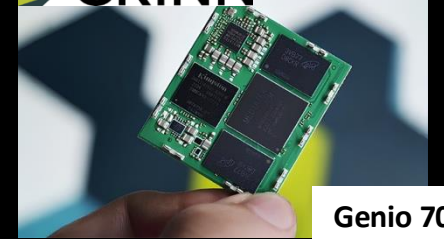
ADLINK
LEADING EDGE COMPUTING



Genio 510

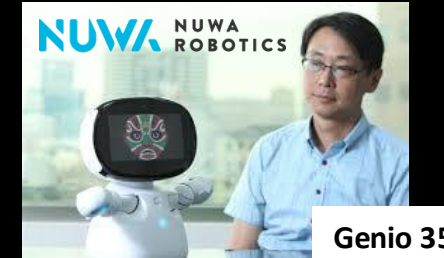
INDUSTRIAL

GRINN



Genio 700

NUWA
NUWA ROBOTICS



Genio 350

CCC TECH



Genio 1200

EPSON: World's 1st Gemini on Smart Projector

First and Unique - Live Demo Google TV Gemini at CES 2026

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Press Release

CES 2026: Epson's Lifestudio Continues to Lead the Industry as One of the First Projector Lines to Integrate Google TV with Gemini

Epson Sets a New Standard for Smart Projectors with Upgraded AI Voice Assistant Capabilities

January 06, 2026



Best-in-class PQ | Google TV Gemini Supported

Expanding Global Partner Ecosystem

SOLUTION/AI PARTNERS



SYSTEM INTEGRATION



VAR/DISTRIBUTORS



HARDWARE SOM/IDH/ODM



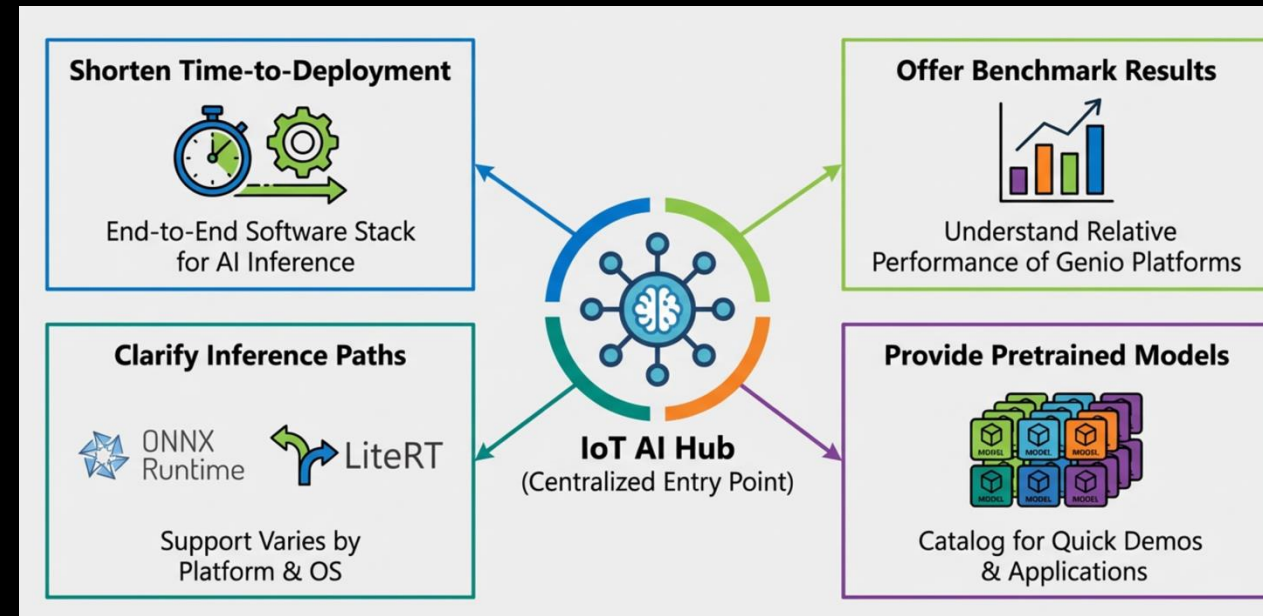
NVIDIA TAO Toolkit



- Integration of NVIDIA TAO Toolkit into MediaTek Genio IoT platforms
- >100 enterprise-ready AI models ready to deploy, built on TensorFlow and PyTorch
 - Train models efficiently
 - Build highly accurate AI systems
 - Optimized for Inference
- Accelerated by 8th Gen NPU on Genio Platforms
 - Supported by MediaTek NeuroPilot SDK

IoT AI Hub – Launched on Genio Developer Center

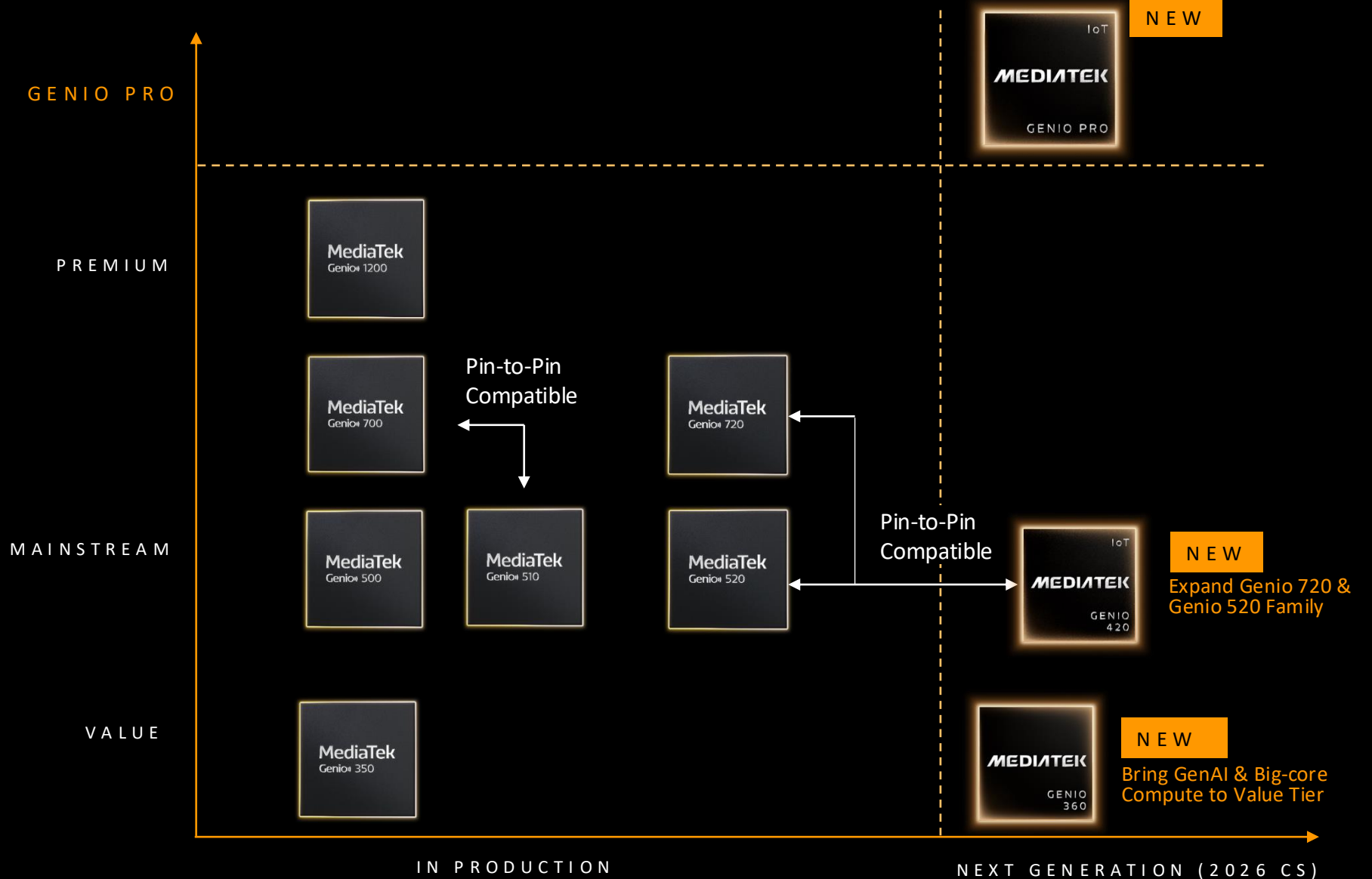
- Shorten time-to-deployment by providing an end-to-end software stack for AI inference on IoT devices.
- Benchmark results that help developers understand the relative performance of different Genio platforms and configurations.
- Clarify the supported AI inference paths, including TFLite(LiteRT) and ONNX Runtime.
- Provide a catalog of pretrained models that can be used as-is, so developers can bring up demos and applications quickly.



https://mediatek.gitlab.io/genio/doc/iot-aihub/master/ai_hub/overview.html

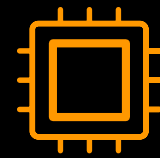
Genio Platform

Building on a Decade of Proven SoCs





Extreme Compute & Multimedia Platform Unleashing the Full Potential of AI.



3.2x
CPU



5x
GPU



5x
NPU

(Compared to Genio 720)



Extreme Compute and Multimedia Platform Unleashing the Full Potential of AI

High Definition

Triple 4K Displays

Rich Sensor Fusion

UP TO **16 Cameras**

3x ISP with Virtual Channel Expansion

Multi-OS Supported

yocto PROJECT | ubuntu | debian

Robotics & Drones

ROS

Planned Support

Balanced Architecture

8 Cores

Arm v9.2 Architecture
1x Cortex-X925 +
3x Cortex-X4 + 4x Cortex-A720
Flagship-Class Compute

Built for AI

50+ TOPS GenAI

8th Gen MediaTek NPU

Extensive, High-speed Interfaces

PCIe, USB, 2.5GbE and more

Industry Leading

3nm Process Node

Breakthrough Performance & Efficiency

Industrial Grade

-40°C to +105°C

10 Year Longevity

Flexible Edge Connectivity

5G, 5G RedCap, Wi-Fi 7, and Bluetooth

8K Video

Encode/Decode

Genio Pro Compute Intensive IoT Applications



High Performance
>250 DMIPS



Edge AI
50+ TOPS



Multi-cameras
Up to 16 Cameras



Multi-display
Up to 3x 4K60



Multi-OS


TARGET APPLICATIONS

Drones



AMR



Safety & Security



Smart Agriculture



Industrial Robots



Edge AI



Machine Vision



Transportation



On-device GenAI PoC Demo – AI NVR for Security & Safety

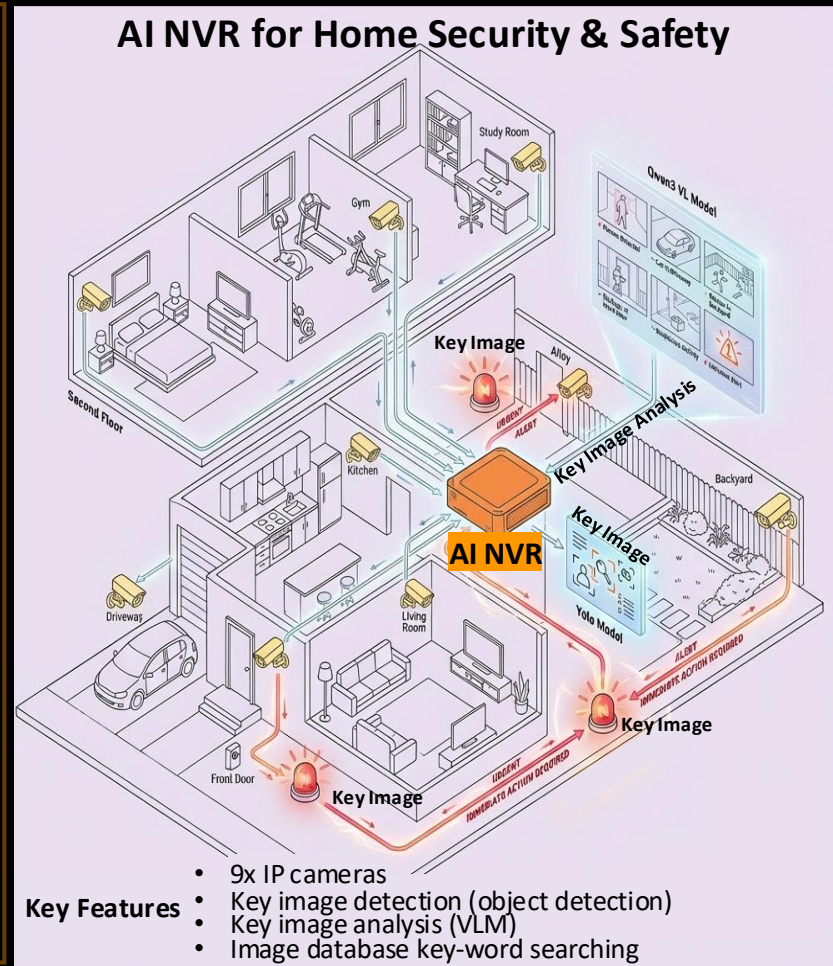
Alloy FPS: 16
Study Room FPS: 9
Gym FPS: 13
Kitchen FPS: 13
Driveway FPS: 15
Living room FPS: 10
Front door FPS: 14
Backyard FPS: 17
Bed room FPS: 16

9x IP cameras (simulated by 9x local video file)

Key Image detected (object detection/tracking, Yolo-based model)

Key Image analysis (VLM-based model)

please describe the image in detail.
This is a wide-angle photograph capturing a man from the corner of a building. He is bent over, as if he is retrieving something from the ground, and the concrete ground is wet in some areas. The ground consists of large grey tiles, and in the lower center, a long piece of wood is lying on the concrete floor. Behind him, in the grass at the back, a stone building appears in the middle. Behind, a white structure with a light blue base is visible. Also, there are more trees, and a stone wall structure from afar. To the left, in front of him, there is a large plastic chair, which the man is leaning on. On the far right, there is a stone-like structure, a flat object hanging on a tree. A large concrete block forms on the far right and ground at the lower right. There is white grass and grass in the tree at the upper left. In the far, the background is grassed with some plant, while some grass is dark in the background. All around, a green building.



- POC System: Genio 720/16GB DRAM/128G UFS/Android 15, On-device AI models: YOLOv8 (object detection, Pose and object tracking, Qwen3-VL 2B(VLM))
- POC scenario is based on 9x local video with AI and system power consumption < 5W (includes 9x VDEC + 9x YOLO + 1x VLM + external Display)

Robotics/Drone Focus

Nuwa Kebbi Companion Robot



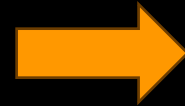
- GenAI (Cloud)
- Remote Monitoring System (RMS)
- Open Programming Platform
- Rich Multimedia Expressiveness

Today: Genio 720 level (10 TOPS)

Primax Service Robot



- Real-Time Obstacle Avoidance
- Precision Navigation
- Multi Camera
- Design for JP tiny space restaurants



AUTONOMOUS MOBILE ROBOTICS & COMMERCIAL DRONES

- Advanced navigation and mapping
- Dynamic obstacle avoidance
- Designed for flexibility & scalability

Future: Genio Pro Roadmap (50+ TOPS, 250K+ DMIPS, 3.1 TFLOPS)

AI Vision Models

Nav2 Navigation

Fast DDS

ROS2 Jazzy

Linux

Leading Edge Connectivity (Wi-Fi 6/7/8, 5G/RedCap)

Key Takeaways

- IoT reaches 'Escape Velocity' at MediaTek
- Roadmap expansion to address market opportunities for AI at the edge
- Expanding partnerships & resources to support global customers

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