

IoT

MEDIATEK

GENIO PRO
5100

Extreme
Compute &
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 Ready

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 and 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