



Features

- Wide-Temp Fanless Design for Cold-Chain Reliability
- Low-Power, Always-On Operation
- Wireless-Ready (Wi-Fi 6 / Bluetooth 5.3)
- AI Vision Optimized for Retail etc & Access Control
- Android SDK Integration for Rapid Deployment

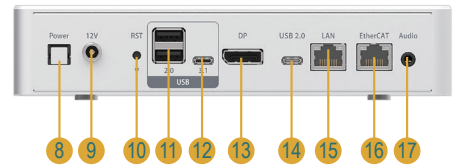
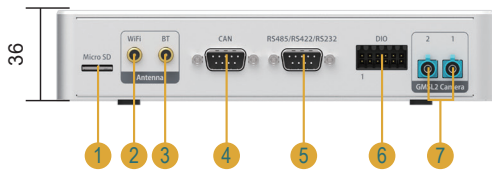
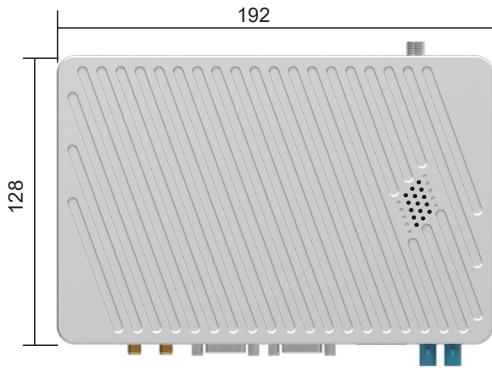
System	
Processor	MT8391 (2x CA78(2.6GHz)+6x CA55(2.0GHz))
Memory	16GB/8GB, LPDDR5
Storage	128GB/64GB
Optional Storage	microSD card slot
I/O Interface	
Indicator	LED x2 (Power x1, Reset x1)
Wireless	WiFi 6 / Bluetooth 5.3
Antenna Connector	SMA connector x2
Display	DP 1.4a x1
Ethernet	Ethernet (RGMII) LAN x1, EtherCat (Optional) x1
USB	USB 3.0 Type-C x 1 USB 2.0 Type-A x 2 USB 2.0 Type-C (ADB) x 1
CAN	CAN x1
RS485	RS485 x1
GMSL	GMSL x2
DIO	DIO x6, GND x2
Audio In/Out	3.5 mm earphone jack
OS	
OS Support	Android 15, Yocto, Ubuntu 24.04 (TBD)
Environmental	
Operating Temp.	-10°C ~ 60°C (14°F~140°F)
Operating Humidity	0% ~ 95% (at 60°C)
IP Rating	IP40 (TBD)
Power	
Power	DC in 12V/5A
Mechanical	
Button	Power Key x1, Reset Key x1 (Hidden)
Dimension	Approx. 192 (L) x 128 (W) x 36 (H) mm
Weight	TBD
Others	
Accessories	Adapter
Certification	BSMI, CE, FCC (TBD)

Highlights	
AI performance & Low power/Fanless design	10TOPs AI computing and low power consumption. High memory bandwidth and read/write speeds, Supports high-resolution video streams, pre-loaded AI models, edge LLM, and CNN computations.
Industrial communication interfaces	Supports industrial/automotive communication (CAN/RS485/GMSL/EtherCat/USB...etc.), suitable for cross industry AI solutions.
Complete system and communication capabilities	Complete system (Android) and features Ethernet, WiFi, and BT connectivity.
Software highly integrated	Bundled with AI SDK and software tools to reduce customer development barriers.
High cost performance	Offers cost-effective solutions that do not require extreme computing power.

Application	
Smart Guard Box	Identifies intrusion, fire, and fall incidents. Automatically generates alarm descriptions. Notifies homeowners/security personnel via natural voice. Home users can directly ask questions via voice, such as "Is my home safe now?"
Smart Retail Assistant	Automatically counts customer traffic and alerts customers to out-of-stock items. Automatically generates inventory lists and invoice records. Directly converts orders to "I want a bubble tea with less ice." Answers customers' questions like "What sizes are available for this dress?" Recommends products using a personalized voice.
AI Assistant	Automatically generates meeting minutes when speaking in meetings. Recognizes business card information. The assistant reminds customers of schedules using a gentle voice.
AI Robot (TBD)	Supports EtherCat interface. Supports GMSL Camera.
UAV (Drone)	Terrain Recognition, Path Planning, Obstacle Avoidance.



Dimensions



Unit: mm

- | | | |
|---------------------|------------------------|--------------------------|
| ① MicroSD Slot | ⑧ Power Switch | ⑮ Gigabit LAN (Ethernet) |
| ② Wi-Fi Antenna | ⑨ 12V DC Input | ⑯ EtherCAT |
| ③ Bluetooth Antenna | ⑩ Reset (RST) | ⑰ Audio Jack |
| ④ CAN Bus | ⑪ USB 2.0 Type-A | |
| ⑤ RS-485 | ⑫ USB 3.0 Type-C | |
| ⑥ Digital I/O (DIO) | ⑬ DisplayPort (DP) | |
| ⑦ GMSL | ⑭ USB 2.0 Type-C (ADB) | |

All specifications are subject to change without notice. Last update: May.26.2026

