



Typical Applications

· AGV / AMR

EtherCAT motion control plus GMSL camera perception.

· Warehouse Robots

ROS 2 stack with 5G backhaul.

Parameters

CPU ARM Cortex-A78AE class SoC

NPU Up to 10 TOPS (variant dependent)

Memory 8 / 16 GB LPDDR5

Storage 64 / 128 GB eMMC

Network Gigabit Ethernet + WiFi 6 + 5G option

I/O Automotive connector, isolated DIO

Camera 4 × GMSL2 input

OS Ubuntu 22.04 + ROS 2

Environment & Power

Power DC 9-36 V, ignition sense

Operating temp. -20 °C to 60 °C

Protection Shock & vibration proof

Others

Fieldbus EtherCAT, CAN-FD, RS485



I/O Port

- | | | |
|----|--------|------------------------------------|
| 01 | I/O | Automotive connector, isolated DIO |
| 02 | Camera | 4 × GMSL2 input |

Specification

Typical Applications

- **AGV / AMR**
EtherCAT motion control plus GMSL camera perception.
- **Warehouse Robots**
ROS 2 stack with 5G backhaul.
- **Mobile Inspection**
Shock-proof compute for moving vehicles.