

EAI-I351

Embedded AI Platform Powered by NVIDIA® Jetson Thor™



Specifications

Platform

SOM	NVIDIA Jetson T5000™ / T4000™
SOM TDP	Up to 130W
SOM CPU	14-core / 12-core Arm® Neoverse®-V3AE 64-bit CPU
SOM GPU	2560-core NVIDIA Blackwell architecture GPU with 96 fifth-gen Tensor Cores 1536-core NVIDIA Blackwell architecture GPU with 64 fifth-gen Tensor Cores

System Memory

Technology	256-bit LPDDR5X @ 273 GB/s
Max. Capacity	128 GB

Ethernet

Controller	QSPF28
Interface	1x QSPF28 (SKU A: 4x 25GbE, SKU B: 3x 25GbE) 1x 5GbE RJ45

I/O Interface

Reset Button	1
Power Button	1
Serial	2x DB9 RS232/422/485 (optional CAN bus by SKU A)
Display	1x HDMI 2.0
USB	4x USB 3.2 Gen1 (one could be switched as RECY)
DIO	4x DI & 4x DO
Audio	1x Line-in, 1x Line-out
Antenna	4x Antenna hole for LTE/5G Sub6 2x Antenna hole for Wifi
Video-in	8x GMSL2 de-serializer

Storage

Onboard Slots	1x M.2(NVMe) M-Key 2280 (default 512G)
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Expansion

M.2	1x M.2 E-Key 2230 for WiFi/Bluetooth 1x M.2 B-Key 3042/3052 for LTE/5G
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Features

- Embedded with NVIDIA Jetson T5000™/T4000™
- 256-bit LPDDR5X Memory up to 128GB
- 1x QSPF28 (SKU A: 4x 25GbE, SKU B: 3x 25GbE), 1x 5GbE RJ45
- 8x GMSL2 de-serializer, 2x HDMI 2.0, 4x USB, 2x COM, 4x DIO, 1x Audio
- 1x M.2 E-Key 2230 for WiFi/Bluetooth, 1x M.2 B-Key 3042/3052 for LTE/5G, 2x Nano-SIM
- TPM 2.0 onboard, Operating Temperature -25°C~70°C

SIM Card Slot	2x Nano-SIM (each for LTE/5G module) support Dual SIM
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Miscellaneous

Watchdog	Yes
Internal RTC with Li Battery	Yes
TPM	Onboard TPM 2.0

Cooling

Processor	Passive Heatsink
System	2x Blower FAN

Environmental Parameters

Temperature	-25°C~70°C
Humidity (RH)	5~90% Operating 5~95% Non-Operating

System Dimensions

WxDxH	201 x 180 x 95 mm
Package Dimension (WxDxH)	409 x 315 x 306 mm
Weight	TBD
Mounting	Wall mount

Power

Type/Watts	24V/48V
Input	System Power Input Rated DC 24V/48V

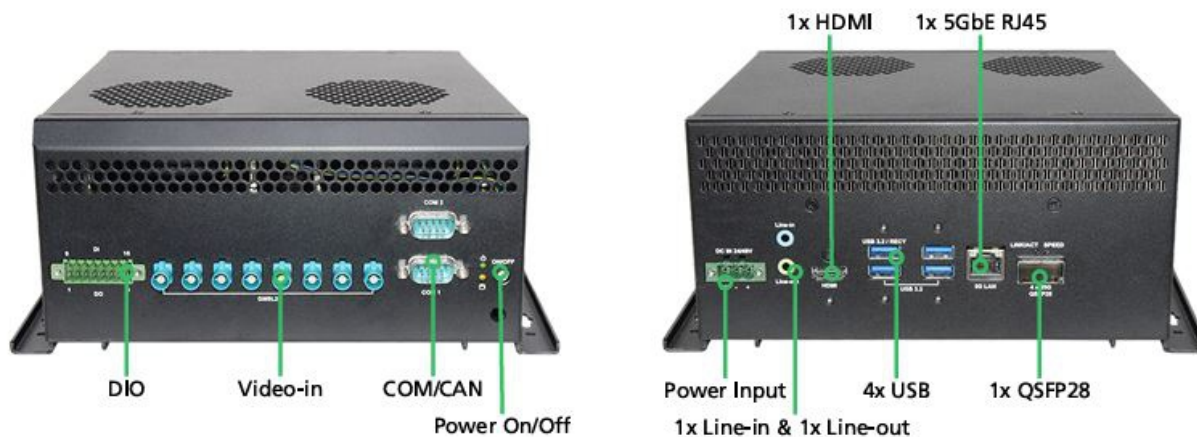
Driver Support

OS	SDK: Linux (NVIDIA JetPack™ 7.0 and above), Ubuntu 24.04 LTS, Kernel: 5.15
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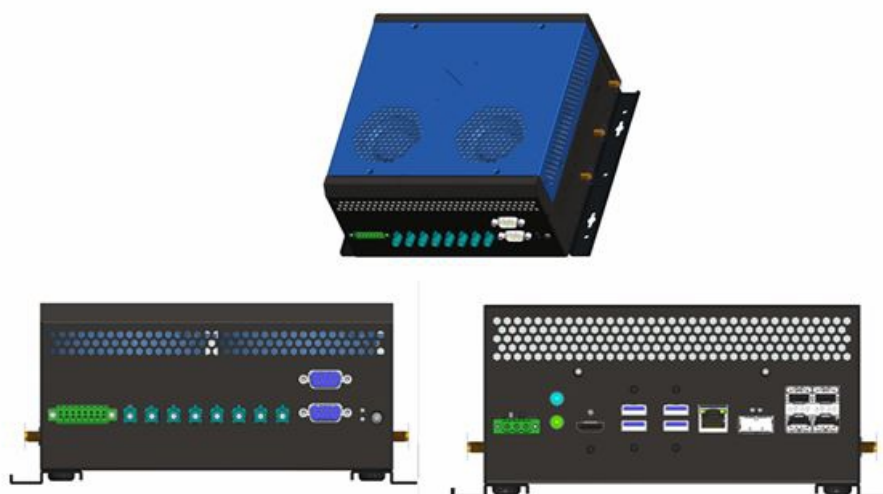
Certification

EMC	CE/UKCA, FCC Class A, RoHS, UL/CB, IEC 62368-1
Reliability	MTBF

Product I/O View



Dimensions (WxDxH): 201 x 180 x 95 mm



Ordering Information

SKU	CPU	Memory	Ethernet	I/O	Storage	Power
EAI-I351A	NVIDIA Jetson T5000	128GB 256-bit LPDDR5X	1x QSFP28 (4x 25GbE) 1x 5GbE RJ45	2x DB9 COM 1x HDMI 2.0 4x USB 4x DIO	1x M.2(NVMe) M-Key 2280 (default 512G)	1x 3-pin Terminal Block 24V/48V
EAI-I351B	NVIDIA Jetson T4000	64GB 256-bit LPDDR5X	1x QSFP28 (3x 25GbE) 1x 5GbE RJ45	8x GMSL2 de-serializer 1x Line-in & Line-out		