Blue Line Jetson Orin AGX IGPU-1200



BLUE LINE
IT for Demanding Environments

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Highlights

The Jetson Orin AGX IGPU-1200 is a compact, powerful and configurable GPU solution ideal for deep learning in robots and machine vision. It delivers high performance and is designed for 24/7 operation in diverse environments.With its range of options and configurations, it offers efficient and modern deep-learning inference capabilities.

Reduce cost and time spending with our global partner model based on your specific requirements. Let Blue Line take responsibility for delivery on time. Blue Line's ultimate goal is to help our customers get peace of mind by

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handling all relevant details such as securing the right configuration, software setup, mounting, packaging, labeling etc. Ask for references from your industry.

• Fanless AI edge embedded box PC

• Up to12-core Arm Cortex A78AE v8.2 64-bit CPU

• Up to 2048-core Ampere GPU with 64 Tensor Cores

• Up to 64GB onboard memory

• 8 x PoE 30W for camera

• Supports Linux (NVIDIA JetPack 5.1 and above)

Specifications

Model Type

AI box PC

Form Factor

Compact

Construction

Aluminium

Cooling

Fanless

Environment

Operating temperature	-20°C to 60°C, according to IEC60068-2 with 0.5 m/s AirFlow
Storage temperature	-40°C to 85°C
Humidity	10% to 90%, non-condensing
Vibration	MIL-STD-810G, method 514.7, category 4
Shock	MIL-STD-810G, method 516.7, procedure I

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Certification

CE/FCC Class A, according to EN 55032/55035

Processor

Model 1	8-core Arm Cortex A78AE v8.2 64-bit CPU 2MB L2 + 4MB L3 NVIDIA Ampere GPU w/1792 Cuda core and 56 Tensor Cores
Model 2	12-core Arm Cortex A78AE v8.2 64-bit CPU 3MB L2 + 6MB L3 NVIDIA Ampere GPU w/2048 Cuda core and 64 Tensor Cores

Chipset

SoC

RAM

Model 1	Onboard 32GB 256-bit LPDDR5 204.8 GB/s
Model 2	Onboard 64GB 256-bit LPDDR5 204.8 GB/s

Storage

2 x 2.5" SATA internal bay

1 x M.2 key-M 2280 for NVMe SSD

1 x SD card slot

Input / Output

Front I/O	1 x Power switch 1 x reset & recovery switch 1 x SIM card slot* 1 x SD card slot 1 x audio In/Out 2 x USB 2.0 type-A 1 x Micro USB - OTG function

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	8 x PoE+ (10/100 MbE, Single-30W/Total-120W)
Rear I/O	5 x SMA connector button** 1 x RS485 via 4-PIN port 2 x RS232 via DB9 port 1 x CAN via DB9 port (isolated) 1 x 10GbE via RJ45 port 1 x 1GbE via RJ45 port 1 x HDMI 2.0 a/b audio 2 x USB 3.0 type-A 8 x GPIO 1 x PWR Input, 3-pin terminal block *Internal 4G/LTE module required ** antenna kit required

Expansion

1 x M.2 key-B 3042/3052 (for 4G/5G module)
1 x M.2 key-M 2230 (for Wi-Fi/BT module)

Operating System

Linux (NVIDIA JetPack 5.0 and above)

Power Supply

+9 to 55V DC-in by 3-Pin terminal block with ACC function

Power Consumption

TBD

Dimension and Weight

	H 94 x W 242 x D 177mm
Net weight	4.5kg
Gross weight	TBD

Mounting

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Wall mount kit

Accessories Included

1 x power harness cable

2 x alarm I/O cable

1 x RS485 cable

Mounting bracket kit

Accessories Optional

AC to DC Power Adapter, AC100-240V - DC24V, 9.1A, 218.4W

Dust cover kit for I/O port

Smart Keeper Professional for physical I/O port security

Warranty and After Sales Support

Standard 1 year (option for 3 years)

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