

Blue Line Jetson Orin IGPU-1100



BLUE LINE
IT for Demanding Environments

Blue Line A/S | Kappa 8 | 8382 Hinnerup, Denmark
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Highlights

Jetson Orin IGPU-1100, an innovative industrial computer with High AI computing performance for GPU-accelerated processing & Ideal for edge AI smart city applications

- Fanless AI edge embedded box PC
- Up to 8-core NVIDIA Arm Cortex A78AE v8.2 64-bit CPU



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- Up to 1024-core Ampere GPU w/32 Tensor Cores
- Up to 16GB RAM
- Supports one 15W GbE PoE for camera
- Wide operating temperature from -25°C to +50°C
- IP40 (option for IP42)

Specifications

Model Type

AI Box-pc

Form Factor

Ultra Compact

Construction

Aluminium

Cooling

Fanless

Environment

Operating Temperature	-20°C to +50°C
Humidity	10% to 95%, non-condensing
Vibration Endurance	3 Grms with M.2 (5 to 500Hz, X, Y, Z directions)

Certification

CE, FCC Class A

Processor



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Model 1 (Jetson Orin Nano)	6-core Arm Cortex-A78AE v8.2 64-bit CPU 1.5MB L2 + 4MB L3 12-core NVIDIA Ampere architecture GPU with 16 Tensor Cores
Model 2 (Jetson Orin Nano)	6-core Arm Cortex-A78AE v8.2 64-bit CPU 1.5MB L2 + 4MB L3 1024-core NVIDIA Ampere architecture GPU with 32 Tensor Cores
Model 3 (Jetson Orin NX)	6-core Arm Cortex-A78AE v8.2 64-bit CPU 1.5MB L2 + 4MB L3 1024-core NVIDIA Ampere architecture GPU with 32 Tensor Cores
Model 4 (Jetson Orin NX)	8-core NVIDIA Arm Cortex A78AE v8.2 64-bit CPU 2MB L2 + 4MB L3 1024-core NVIDIA Ampere architecture GPU with 32 Tensor Cores

Chipset

SoC

RAM

Model 1	4GB 64-bit LPDDR5 onboard
Model 2	8GB 128-bit LPDDR5 onboard
Model 3	8GB 128-bit LPDDR5 onboard
Model 4	16GB 128-bit LPDDR5 onboard

Storage

1 x M.2 key M 2280 with PCIe x4 NVMe SSD slot

Input / Output

Front I/O

Model 1 & 2	1 x HDMI 1.4 with 4K2K supported 1 x 10/100/1000 Mbps Ethernet (via Jetson Orin Nano)
Model 2 & 3	1 x HDMI 2.1 with 4K2K supported 1 x 10/100/1000 Mbps ethernet (via Jetson Orin NX)



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Model 1, 2, 3 & 4

1 x 10/100/1000 Mbps PoE (Intel I210-IT; max. up to 15W)

1 x USB 3.2 Gen2, 1 x USB 2.0 Type A

1 x Micro USB (for image Jetpack flash only)

1 x Recovery switch

1 x Reset button

1 x Power button

1 x 12V DC-Jack power input connector

1 x Grounding screw

Rear I/O

2 x SMA-type antenna connector*

*Require WIFI/BT or 4G / 5G module

Expansion

1 x Full-size MiniPCI express card slot (USB + PCI express signal)

1 x SIM slot

Management Software

Watchdog Timer Built-in Orin NX

Operating System

Linux Ubuntu 20.04 or later w/ Nvidia JetPack supported

Power Consumption

Model 1 10W

Model 2 15W

Model 3 20W

Model 4 25W

Dimension and Weight

H 34.6 x W 148.6 x D 129.8mm

Net weight 1kg (standard configuration)

Gross weight 1.6kg (standard configuration)



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Accessories Optional

Wall mount kit
DIN-rail kit
VESA mount kit
IP42 waterproof cover kit
4G/LTE module
Wi-Fi / BT module
AC to DC 12V/60W adapter + power core

Warranty and After Sales Support

Standard 1 year (option for 3 years)



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