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BPC-EA-600

NVIDIA Jetson Series

Edge AI Computing

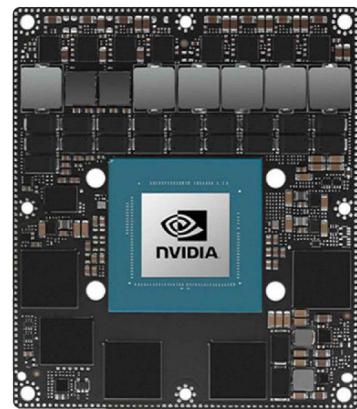


DEBIX NVIDIA Jetson Series Edge AI Computing

BPC-EA-600 NVIDIA Jetson Series Edge AI Computing

Overview:

The **BPC-EA-600** is an industrial-grade embedded system designed for edge AI applications, powered by the NVIDIA Jetson AGX Orin core module from the NVIDIA Jetson Series. Delivering efficient AI processing capabilities, it serves critical domains including Intelligent transportation, vehicle-road collaboration, Logistics monitoring, smart security.



Specification:

System

CPU	NVIDIA Jetson AGX Orin Module, 8-core ARM Cortex A78AE 64-bit CPU 2MB L2 + 4MB L3. The PWR consumption is 15W/40W.
Memory	Onboard 32GB LPDDR5
Storage	Onboard 64GB eMMC
OS	Linux OS

Communication

Ethernet	1 x 10GBE (10000/1000 Base-T) 2 x GBE (1000/100/10 Base-T) (optional)
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Display & Audio

Display	1 x HDMI
Audio	1 x MIC IN + 1 x Line OUT

I/O

2 x USB2.0
2 x RS232/485/422 (DB9)
2 x CAN (DB9)

Expansion

1 x M.2 M-Key 2280 NVME
2 x 2.5" SATA Bay (optional)
4 x Antenna
2 x MiniPCIe for GMSL (4 in 1) expansion card

Power Supply

Power Input	DC 12~36V
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Mechanical & Environmental

Enclosure Material	Steel and aluminum alloy
Dimension	226mm(W) x 70mm(H) x 144mm(D) ($\pm 0.5\text{mm}$)
Operating Temp.	-20°C to +80°C (60~80°C slowdown)
Storage Temp.	-40°C to +80°C

Safety Instruction:

To avoid malfunction or damage to this product please observe the following:

- Disconnect the device from the DC power supply before cleaning. Use a rag. Do not use liquid detergents or spray-on detergents.
- Keep the device away from moisture.
- During installation, put the device on a reliable table. It will be damaged if you drop it.
- Before connecting the power supply, ensure that the voltage is in the required range.
- Put the power cable in place to avoid stepping on it.
- If the device is not used for a long time, power it off to avoid damage caused by sudden overvoltage.
- Do not pour liquid into the hole of the enclosure, as this could cause fire or electrocution.
- For safety reasons, the device can only be disassembled by professional personnel.
- Do not place the device in a place where the ambient temperature is below -40°C or above 80°C. This will damage the machine. It needs to be kept in an environment at controlled temperature.

Contact Us:

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