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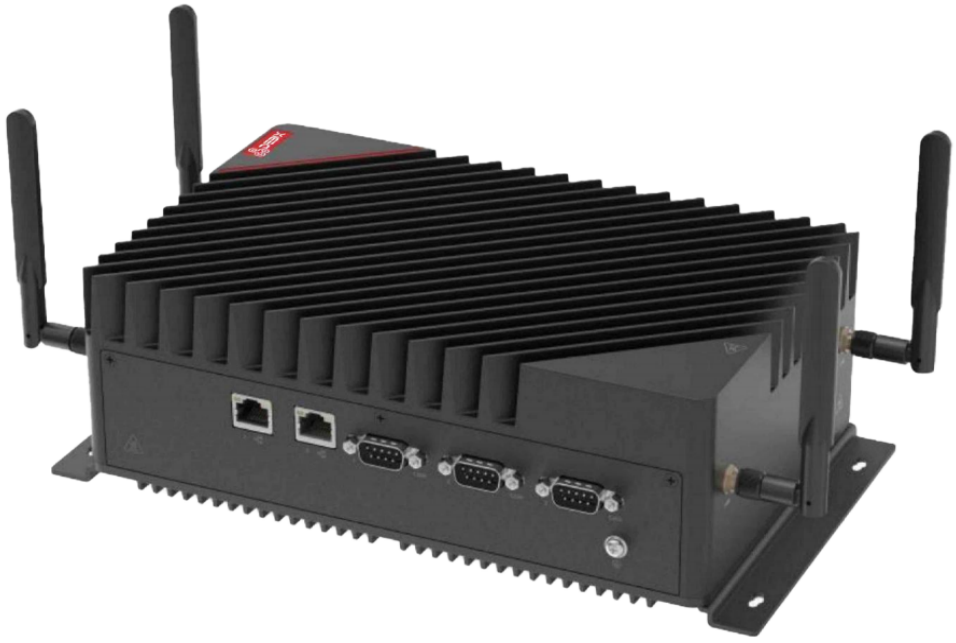
BPC-EA-500E
NVIDIA Jetson Series
Edge AI Computing

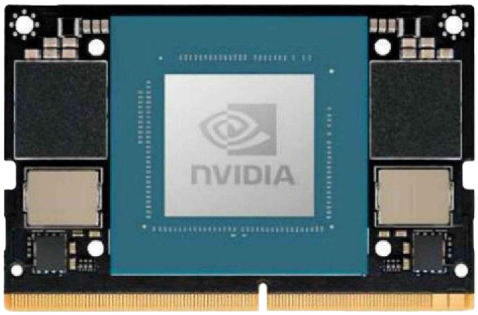


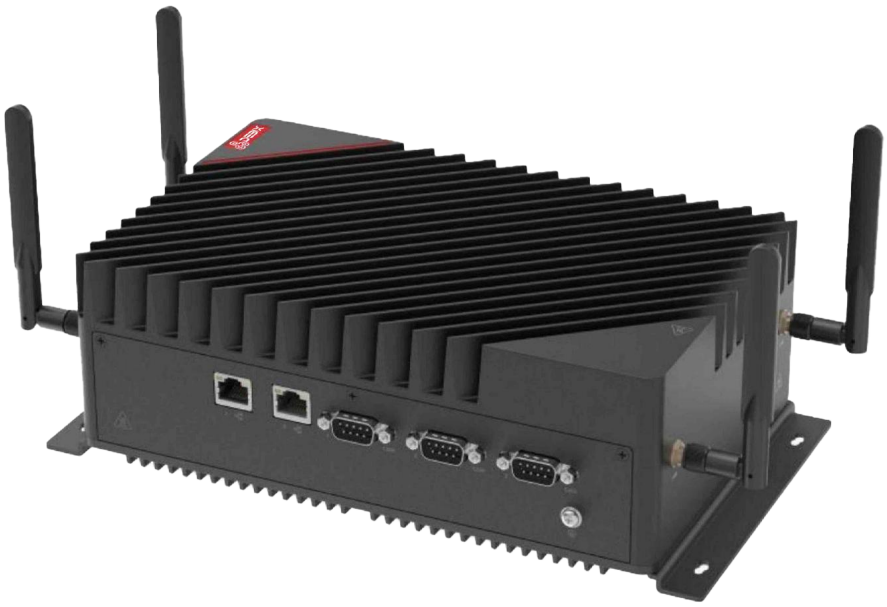
DEBIX NVIDIA Jetson Series Edge AI Computing

BPC-EA-500E NVIDIA Jetson Series Edge AI Computing

Overview:

The BPC-EA-500E is an industrial-grade embedded system designed for edge AI applications, powered by the NVIDIA Jetson Orin Nano 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 Orin Nano Module, 6/8-core ARM Cortex-A78AE 64-bit CPU 1.5MB L2 + 4MB L3. The PWR consumption is 7W/15W.
Memory	Onboard 4GB LPDDR5 (8GB optional)
Storage	1 x M.2 2280 M-Key 1 x 2.5" SATA Driver Bay
OS	Linux OS
Communication	
Gigabit Ethernet	2 x 1G ETH
Display	
Display	1 x HDMI
I/O	
	1 x CAN (DB9) 2 x USB3.0 1 x USB2.0 Type-C (for update F/W) 2 x RS232/RS422/RS485 (DB9) 4 x GMSL (optional) 4 x 1GBE POE (optional, 802.3at) 8 x DIDO (optional, 4 x DI + 4 x DO) 4 x Antenna (optional)
Expansion	
	1 x M.2 2230 E-Key for WiFi 1 x M.2 2280 M-Key 1 x M.2 3052 B-Key for 4G/5G 1 x 2.5" SATA Drive bay 1 x Nano SIM slot
Power Supply	
Power Input	DC 9~36V
Mechanical & Environmental	
Enclosure Material	Steel and aluminum alloy
Dimension	240mm(W) x 155mm(H) x 85mm(D) (±0.5mm)
Operating Temp.	-20°C to +70°C (60~70°C slowdown) -40°C to +70°C (optional)
Storage Temp.	-40°C to +70°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℃ or above 70℃. This will damage the machine. It needs to be kept in an environment at controlled temperature.

Contact Us:

Headquarters: DEBIX Technology Inc., 8345 Gold River Ct., Las Vegas, NV 89113, USA
Factory: 5-6/F., East Zone, Shunheda A2 Building, Liuxiandong Industrial Park, Xili, Nanshan Dist., Shenzhen, China
Email: info@debix.io
Website: www.debix.io
Community: https://discord.com/invite/adaHHaDkH2