

BPC-EA-200

NVIDIA Jetson Series

Edge AI Computing



BPC-EA-200 NVIDIA Jetson Series Edge AI Computing

Overview:

The BPC-EA-200, powered by NVIDIA Jetson Series, is an industrial-grade ultra-compact embedded system engineered for edge AI deployments. It is equipped with NVIDIA Jetson TX2 NX core module. NVIDIA Jetson™ TX2 NX provides a new generation of embedded edge computing products for entry-level AI performance. It delivers efficient AI processing for security surveillance systems, smart retail and industrial automation platforms.



Specification:

System	
CPU	NVIDIA Jetson TX2 NX Module, 2 x Denver2 Core and 4 x ARM Cortex-A57 MPCore processor. The PWR consumption is 7.5W/15W.
Memory	Onboard 4GB LPDDR4
Storage	Onboard 16GB eMMC
OS	Linux OS
Communication	
Gigabit Ethernet	2 x Gigabit Ethernet ports
Display	
Display	1 x HDMI output
MIPI CSI	2 x MIPI CSI
I/O	
	2 x USB3.0
	1 x Type-C
	1 x RS485/RS422/RS232
	4 x GPIO
	1 x CAN
Expansion	
	1 x MiniPCIe/1 x M.2 E-Key 2230 for WiFi
	1 x M.2 M-Key 2280 NVME (PCIe)
	1 x M.2 B-Key for LTE/5G
	1 x Nano SIM slot
	1 x TF slot
Power Supply	
Power Input	DC 12~24V
Mechanical & Environmental	
Enclosure Material	Steel and aluminum alloy
Dimension	189mm(W) x 96.7mm(H) x 57.5mm(D) ($\pm 0.5\text{mm}$)
Operating Temp.	-20°C to +60°C CPU/GPU Full Loaded Operation; -20°C to +75°C Frequency Reduction Operation
Storage Temp.	-40°C to +75°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 75°C. 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>

