

BPC-EA-100

NVIDIA Jetson Series

Edge AI Computing



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Overview:

The BPC-EA-100, powered by NVIDIA Jetson Series, is an industrial-grade ultra-compact embedded system engineered for edge AI deployments. Specifically designed to address computational constraints, this ruggedized solution delivers efficient AI processing for security surveillance systems, industrial automation platforms, and mobile robotics applications.



Specification:

System

CPU	NVIDIA Jetson Nano Module, 4 x ARM Cortex-A57 MPCore processor. The PWR consumption is 5W/10W.
Memory	Onboard 4GB LPDDR4
Storage	Onboard 16GB eMMC
OS	Linux OS

Communication

Gigabit Ethernet	1 x Gigabit Ethernet port
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I/O

1 x Micro HDMI
2 x MIPI
1 x USB3.0 Type-C
1 x USB2.0 OTG
1 x Micro SD slot
1 x WIFI Module Support

Power Supply

Power Input	DC 5V, USB Type-C
Dimension	122mm(W) x 65.5mm(H) x 43mm(D) ($\pm 0.5\text{mm}$) (I/O ports and mounting holes excluded)
Operating Temp.	-20°C to +65°C CPU/GPU Full Loaded Operation; -20°C to +75°C Frequency Reduction Operation
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:

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>

