

BPC-iMX8MP-01 Industrial Computer



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Overview:

BPC-iMX8MP-01 is a fanless mini box pc utilizing DEBIX Model A or DEBIX Model B SBC for default, and it supports adding an 4G add-on board or a PoE module for the DEBIX SBC inside. It's an easy to use computer with a 5V DC power adapter and a Micro SD card pre-installed with the image (eMMC optional). Insert the Micro SD card, connect the display and press the ON/OFF button, then you power it on and see the startup screen.

Main Features:

- Compact size, durable aluminum alloy case
- Fanless design with increased surface area for enhanced heat dissipation
- Gigabit network and four USB 3.0 to bring an efficient data transmission speed
- 1 x HDMI at 3840 x 2160p30, 1 x 3.5mm headphone and mic combo
- Support Wi-Fi antenna by removing the plastic baffle at the right side

I/O Interfaces and Dimension:



Specification:

System	
Motherboard	DEBIX Model A or DEBIX Model B
Memory	2GB LPDDR4 (4GB/8GB optional)
Storage	8GB/16GB/32GB/64GB/128GB/256GB Micro SD card (eMMC optional)
OS	Ubuntu 22.04, Yocto-L5.10.72_2.2.0, Windows 10 IoT Enterprise, Android 11
I/O Interfaces	
Network	1 x RJ45 Gigabit Network port, 2.4GHz & 5GHz Wi-Fi, Bluetooth 5.0
USB Type-C	1 x Type-C USB for DC 5V power input 1 x Type-C USB as a USB OTG
USB 3.0	4 x USB 3.0 Host
HDMI	1 x Type-A HDMI output, 3840 x 2160p30
Audio	1 x 3.5mm Headphone and Mic combo port
KEY	1 x RESET KEY 1 x ON/OFF KEY
Mechanical & Environmental	
Material	Aluminum alloy
Dimension	93mm x 72mm x 30mm
Weight	190g
Operating Temp.	-20°C to 70°C (DEBIX Model A), -40°C to 85°C (DEBIX Model B)
Power Supply	
Power Adapter	DC 5V/3A

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 damp 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.
- 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 85°C. This will damage the machine. It needs to be kept in an environment at controlled temperature.

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