



BPC-iMX8MP-01 Industrial Computer



DEBIX 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. With a 5V DC power adapter and a Micro SD card pre-installed with the image (eMMC optional), it's an easy to use computer. Insert the Micro SD card, connect the display, power it on and press the ON/OFF button, then you can 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

Specification:

System	
Motherboard	DEBIX Model A or DEBIX Model B
Memory	2GB LPDDR4 (1GB/4GB/8GB optional)
Storage	8GB/16GB/32GB/64GB/128GB/256GB Micro SD card (eMMC optional)
OS	Ubuntu 22.04, Yocto-L6.6.36, Windows 10 IoT Enterprise, Android 11, Debian 12 (also supports OpenWRT and FreeRTOS) Note: 4GB/8GB LPDDR4 supports Windows 10 IoT, recommend 8GB version.
I/O Interfaces	
Network	1 x Gigabit Ethernet port, 2.4GHz & 5GHz Wi-Fi5, 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
Slot	1 x Micro SD card
KEY	1 x RESET KEY 1 x ON/OFF KEY
Mechanical & Environmental	
Material	Aluminum alloy
Dimension	93mm x 72mm x 30mm ($\pm 0.5\text{mm}$)
Net Weight	190g ($\pm 0.5\text{g}$)
Gross Weight	211g ($\pm 0.5\text{g}$)
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



I/O Interfaces and Dimension:



Ordering Codes:

RAM LPDDR4	eMMC Storage	PN for BPC-iMX8MP-01 -20°C~70°C	PN for BPC-iMX8MP-01 -40°C~85°C
1GB DDR	Lite	BPC-iMX8MP-01-D1E0	
	8GB	BPC-iMX8MP-01-D1E8	BPC-iMX8MP-01-I-D1E8
	16GB	BPC-iMX8MP-01-D1E16	BPC-iMX8MP-01-I-D1E16
	32GB	BPC-iMX8MP-01-D1E32	BPC-iMX8MP-01-I-D1E32
	64GB	BPC-iMX8MP-01-D1E64	BPC-iMX8MP-01-I-D1E64
2GB DDR	Lite	BPC-iMX8MP-01-D2E0	
	8GB	BPC-iMX8MP-01-D2E8	BPC-iMX8MP-01-I-D2E8
	16GB	BPC-iMX8MP-01-D2E16	BPC-iMX8MP-01-I-D2E16
	32GB	BPC-iMX8MP-01-D2E32	BPC-iMX8MP-01-I-D2E32
	64GB	BPC-iMX8MP-01-D2E64	BPC-iMX8MP-01-I-D2E64
4GB DDR	Lite	BPC-iMX8MP-01-D4E0	
	8GB	BPC-iMX8MP-01-D4E8	BPC-iMX8MP-01-I-D4E8
	16GB	BPC-iMX8MP-01-D4E16	BPC-iMX8MP-01-I-D4E16
	32GB	BPC-iMX8MP-01-D4E32	BPC-iMX8MP-01-I-D4E32
	64GB	BPC-iMX8MP-01-D4E64	BPC-iMX8MP-01-I-D4E64
8GB DDR	Lite	BPC-iMX8MP-01-D8E0	
	8GB	BPC-iMX8MP-01-D8E8	
	16GB	BPC-iMX8MP-01-D8E16	
	32GB	BPC-iMX8MP-01-D8E32	
	64GB	BPC-iMX8MP-01-D8E64	

Compatible with DEBIX's Accessories:

Product	Model
4G Board	EMB-AS-05
SBC POE Board	EMB-AS-06
DEBIX Display Screen	DEBIX TD050H DEBIX TD070H DEBIX TD101H

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.

Contact Us:

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