BPC-RK3576-01 Box PC

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Overview:

BPC-RK3576-01 is a fanless mini box PC utilizing DEBIX R3576-01 SBC for default, and it supports adding a PoE module for the DEBIX SBC inside. It's an easy to use computer with a pre-installed image on the eMMC. 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
· Two gigabit network ports and three USB 3.0 ports to bring an efficient data transmission speed
· 1 x HDMI port, 1 x 3.5mm headphone and mic combo port
· Support Wi-Fi antenna by removing the plastic baffle at the right side

Specification:

System	
Motherboard	DEBIX R3576-01
Memory	2GB LPDDR4 (4GB/8GB optional)
Storage	1) Default: Onboard 32GB eMMC (8GB/16GB/64GB/128GB/256GB optional) 2) Micro SD card 8GB/16GB/32GB/64GB/128GB/256GB optional
OS	Android 14, Debian 12, Ubuntu 20.04 Server
Boot Mode	Boot from eMMC

I/O Interfaces	
Gigabit Network	2 x Gigabit Ethernet Interfaces: 1) 1 x RJ45 with PoE power supply (needs PoE power supply module) 2) 1 x RJ45
Wi-Fi & BT	2.4GHz & 5GHz Wi-Fi 6, BT 5.4, external Wi-Fi SMA antenna connector
HDMI	1 x HDMI output with Type-A HDMI female
Audio	1 x 3.5mm headphone and microphone combo port
DP	1 x DP display supports MST with Type-C
USB	2 x USB 3.0 Host with double layer Type-A 1 x USB 2.0 PWR with Type-C for DC 5V power input 1 x USB 3.0 OTG + DP DISPLAY supports MST with Type-C

Power Supply	
Power Input	Default DC 5V/3A power input with Type-C interface

Mechanical & Environmental	
Size (L x W)	93.0mm x 72.0mm x 30.0mm (±0.5mm)
Net Weight	197g (±0.5g)
Gross Weight	218g (±0.5g)
Enclosure Material	Aluminum alloy
Operating Temp.	0°C ~ 70°C

I/O Interfaces and Dimension:

PWR OTG/DP HDMI Headphone & Mic

5V DC   OTG   HDMI   🎧

30.0mm

2 x USB 3.0 Host — USB 3.0

Gigabit Ethernet — LAN2

Gigabit Ethernet (PoE) — LAN1

Reset
ON/OFF

ON/OFF RESET

72.0mm

DEBIX

93.0mm

Compatible with DEBIX's Accessories:

Product	Model
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 $0\,^{\circ}\text{C}$ or above $70\,^{\circ}\text{C}$. This will damage the machine. It needs to be kept in an environment at controlled temperature.

Contact Us:

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