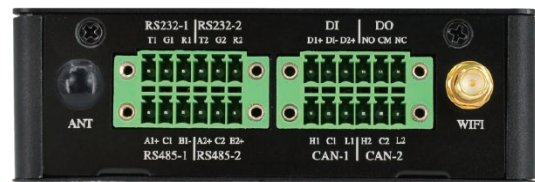


BPC-iMX93-02 IoT Gateway Box PC



IoT Gateway Box PC Based on NXP i.MX 93 CPU



Overview:

The BPC-iMX93-02 provides a robust and secure data gateway solution for various industrial applications like automation, monitoring, and remote control. Its combination of efficient processing and diverse connectivity options makes it a reliable choice for industrial environments requiring high performance and secure and reliable data communication.

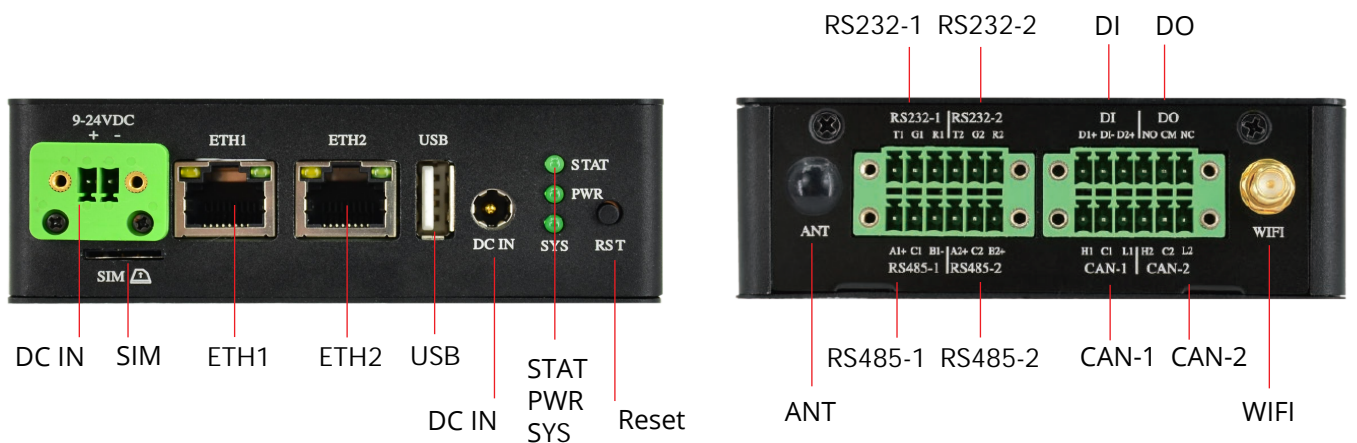
Main Features:

- NXP i.MX 93 processor
- Ubuntu Server, Yocto 4.2-L6.1.22_2.0.0, Debian 10 Server
- 2 x Gigabit Ethernet, 1 x WIFI, 1 x BLE BT5.2 (optional: 4G, LoRa, UWB)
- 1 x USB 2.0 Host (USB OTG available through software configuration)
- 1 x Micro SIM, 2 x RS485, 2 x RS232, 2 x CAN, 1 x Reset
- 1 x Power LED, 2 x GPIO LED

Specification:

System	
CPU	NXP i.MX9352, 2 x Arm® Cortex®-A55@1.7GHz, 1 x Arm® Cortex®-M33 @250MHz, 1 x Arm® Ethos -U65 microNPU. (i.MX 93 series CPU optional)
Memory	1GB LPDDR4 (2GB optional)
Storage	Onboard 8GB eMMC (16GB/32GB/64GB/128GB/256GB optional)
OS	Ubuntu Server, Yocto 4.2-L6.1.22_2.0.0, Debian 10 Server
Communication	
Gigabit Ethernet	1 x Gigabit Ethernet port, supports TSN 1 x Gigabit Ethernet port
4G	1 x 4G (optional)
LoRa	1 x LoRa (optional)
UWB	1 x UWB (optional)
WIFI & BT	2.4GHz & 5GHz WIFI IEEE 802.11a/b/g/n, BT5.2
I/O Interfaces	
USB	1 x USB 2.0 Host, USB OTG available via software configuration
SIM	1 x Micro SIM
RS485	2 x RS485
RS232	2 x RS232
CAN	2 x CAN
LED	1 x Power LED, 2 x GPIO LED (functions can be customized)
Reset	1 x Reset
SMA RF	1 x WIFI antenna, 1 x 4G/LoRa/UWB antenna (optional)
Power Supply	
DC-IN	DC 12V/2A, 1 x DC socket, 1 x 2Pin 3.81mm Phoenix, support 12V~24V wide voltage input
Mechanical & Environmental	
Dimension	107mm x 107mm x 35mm
Material	Aluminum alloy
Net Weight	385g
Operating Temp.	-20°C~70°C (-40 to 85 optional)

I/O Interfaces:



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.
- 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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