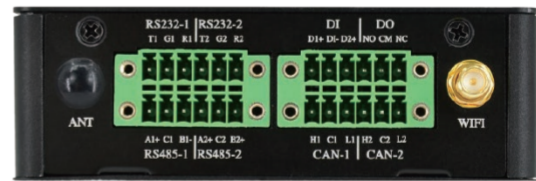


BPC-iMX6ULL-02

IoT Gateway Box PC



IoT Gateway Box PC Based on NXP i.MX 6ULL CPU



Overview:

The BPC-iMX6ULL-02 provides a robust and secure data gateway solution for various industrial applications like automation, monitoring, and remote control. Its combination of efficient processing, diverse connectivity options, and physically-isolated interfaces makes it a reliable choice for industrial environments requiring secure and reliable data communication.

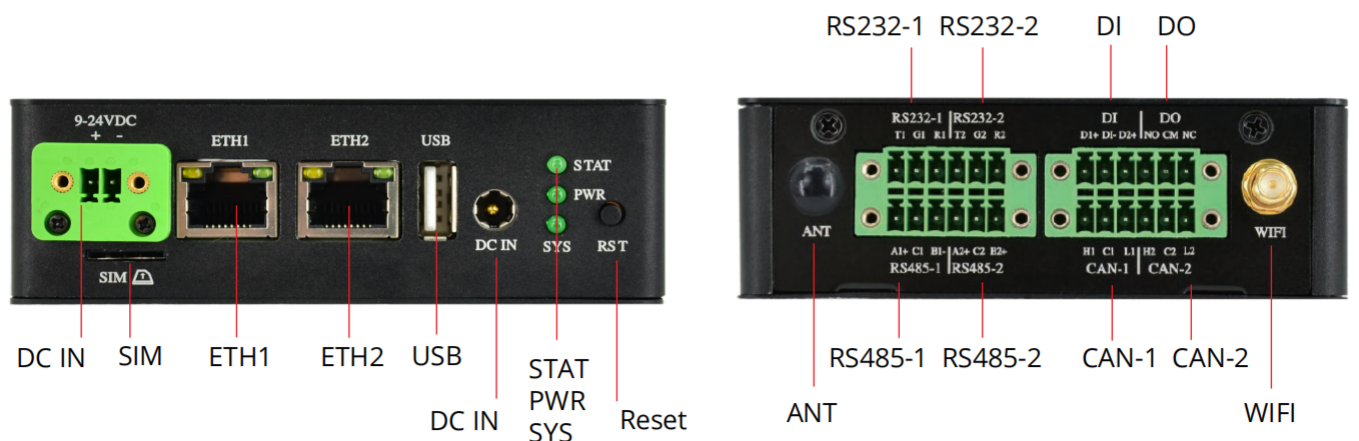
Main Features:

- Support NXP i.MX 6ULL and i.MX 6UltraLite CPU
- 512MB DDR3, 8GB eMMC (default)
- Buildroot 2019.02.4, Yocto 2.5.2
- 2 x 10M/100M LAN, 1 x WIFI, 1 x BLE BT5.0 (optional: 4G, LoRa, UWB)
- 1 x USB2.0 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
- 1 x WIFI antenna, 1 x 4G/LoRa/UWB antenna (optional)

Specification:

| System | |
|----------------------------|--|
| CPU | NXP i.MX 6ULL(default), 1 x Cortex-A7, up to 900MHz; Support NXP i.MX 6UltraLite |
| Memory | 512MBDDR3/DDR3L (128MB/256MB optional) |
| Storage | 8GBeMMC (16GB/32GB/64GB/128GB/256GB optional) |
| OS | Buildroot 2019.02.4, Yocto 2.5.2, OpenWRT |
| Communication | |
| Network | 2 x 10M/100Mbps LAN |
| 4G | 1 x 4G (optional) |
| WIFI | 1 x 2.4G WIFI (default) |
| Bluetooth | 1 x BLE BT5.0 (default) |
| I/O Interfaces | |
| USB | 1 x USB2.0 Host(default), USB OTG available via software configuration |
| SIM | 1 x Micro SIM |
| RS485 | 2 x Physically-isolated RS485 |
| RS232 | 2 x Physically-isolated RS232 |
| CAN | 2 x Physically-isolated 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) |
| LoRa | 1 x LoRa (optional) |
| UWB | 1 x UWB (optional) |
| Power Supply | |
| DC-IN | DC 12V/2A, 1 x DC socket, 1 x 2Pin 3.81mm Phoenix, support 9V~24V wide voltage input |
| Mechanical & Environmental | |
| Dimension | 107mm x 107mm x 35mm |
| Material | Aluminum alloy |
| Net Weight | 385g |
| Operating Temp. | 0°C~70°C |

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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