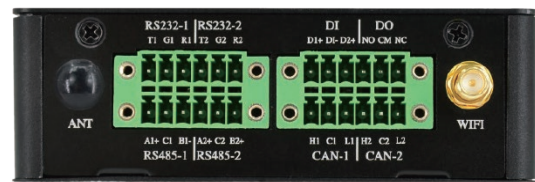


# BPC-iMX6ULL-02

## 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.

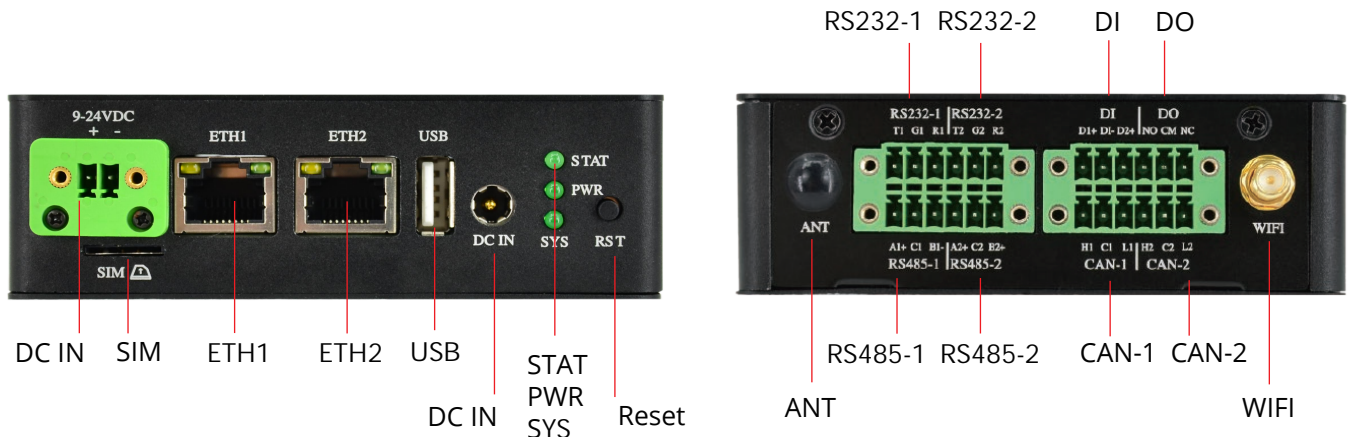
### Main Features:

- 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  $-40^{\circ}\text{C}$  or above  $85^{\circ}\text{C}$ . This will damage the machine. It needs to be kept in an environment at controlled temperature.

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## Contact Us:

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