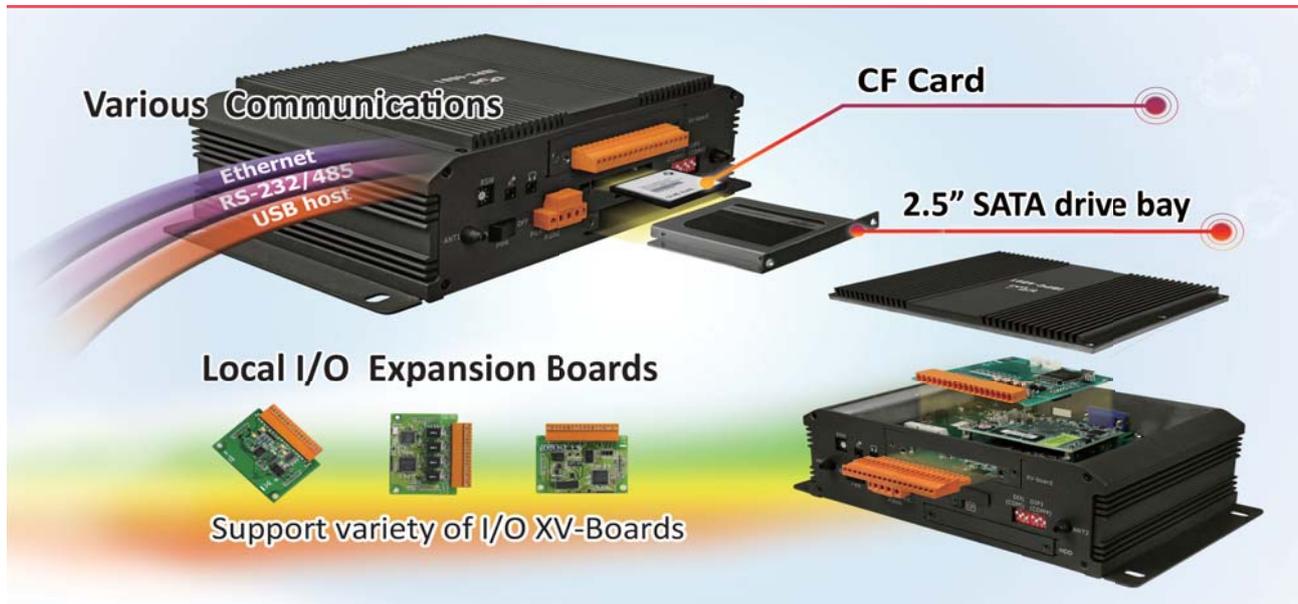


4. iBPC Series BoxPC



iBPC series is a fanless embedded box PC, wide operating temperature and wide range voltage capability, allow it run in the harsh environments.

iBPC series comes with the same interfaces: four RS-232/422/485 ports, VGA, HDMI, Audio, dual Gigabit Ethernet LAN ports and four high-speed USB 2.0. And there are various CPU options: iBPC-4081 is with one Intel® ATOM Quad Core 1.91Ghz Processor E3845 (with 4GB on-board memory), iBPC-4041 is with one Intel® i3-6100U processor (with one DDR4 SO-DIMM slot)

Two SMA type connector opening for antenna, optional I/O expansion board (XV-board), provides high protection I/O, +10 ~ 30 VDC power input connector, and one power switch. One 2.5" SATA HDD drive bay is also set up in the embedded computer to possess sufficient storage.

Features:

1 Powerful Hardware Design

- iBPC-4081: Intel® Atom E3845 CPU (with 2 GB on-board memory)
- iBPC-4041: Intel® i3-6100U CPU (with one DDR4 SO-DIMM slot)
- 2 x 10/100/1000M Ethernet and 4 x USB 2.0 port
- One 2.5" SATA drive bay and 1 CF socket
- Ultra-Rugged Construction and Reliable Design
- Supports VGA and HDMI dual display
- RS-232/422/485 port
- I/O Expansion Bus for XV-board
- One Mini PCI Express Card slot
- Operating Temperature: -25 ~ +70 °C

2 Local I/O Expansion Board

The iBPC-4081 can support one an I/O expansion card, which allow you implement various I/O functions.



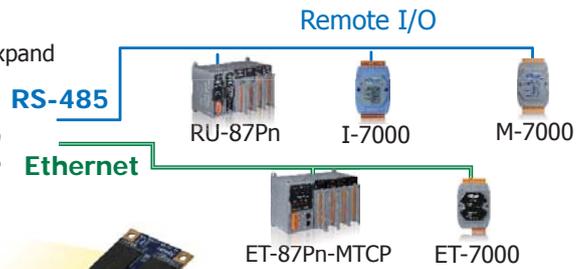
3 Remote I/O Module and Expansion Unit

With the built-in RS-485 and Ethernet ports, the iBPC-4081 can connect RS-485/Ethernet remote I/O units (RU-87Pn/ET-87Pn) or modules (I-7000/M-7000/ET-7000).

4 Multiple Communication Interfaces

iBPC series provides different communication interfaces, easy to expand various I/O modules or connect to external devices.

1. Ethernet
2. RS-232/485
3. USB host
4. CAN Bus



5 Various Memory Storage Options

iBPC series provides various memory storage options.

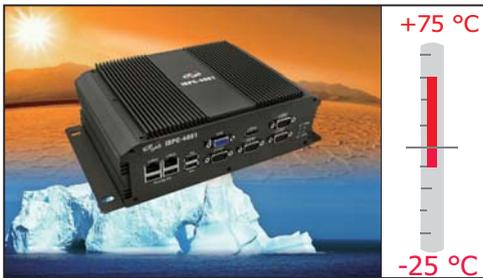
- CF card: Portable data logging applications.
- 2.5" SATA drive bay or mSATA Flash: Rugged storage and shock absorption.

Flash DOM



CF Card

2.5" SATA drive bay

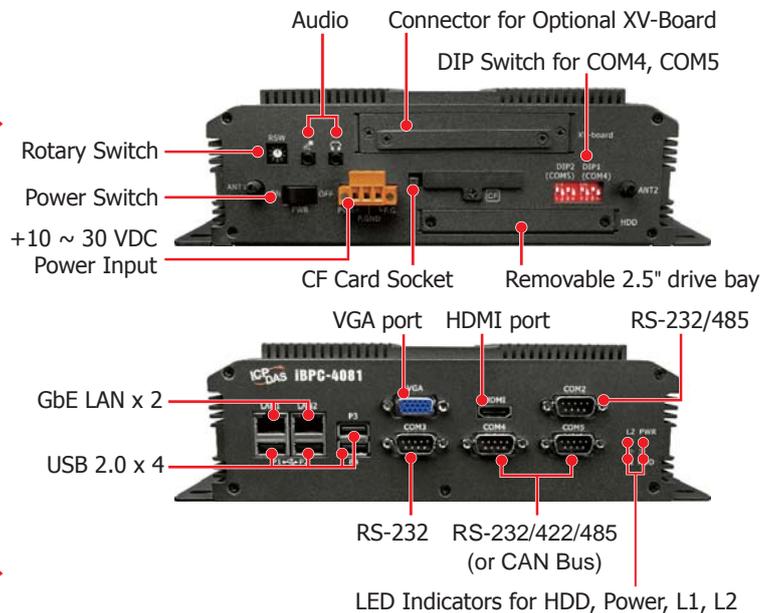


6 Highly Reliable Under Harsh Environment

Our μ PACs operate in a wide range of temperature and humidity.

- Operating Temperature: -25 ~ +70 °C
- Storage Temperature: -40 ~ +75 °C
- Humidity 10 ~ 90 % RH (non-condensing)

Appearance:



Standard box PC

| Model Name | CPU | SDRAM | VGA/HDMI Resolution | Ethernet | RS-232/422/485 | CAN Bus | USB 2.0 | I/O Expansion | Audio Port |
|---------------|------------------------------|--|----------------------------|----------|----------------|---------|---------|---------------|------------|
| iBPC-4081 | E3845, 1.91 GHz, quad core | 4 GB DDR3 on-board (4 GB for optional) | 1280 x 1024 to 1920 x 1080 | 2 | 4 | - | 4 | XV-Board | Yes |
| iBPC-4081-CAN | | | | | 2 | 2 | | | |
| iBPC-4041 | i3-6100U, 2.3 GHz, dual-core | One DDR4 SO-DIMM slot | | | 4 | - | | | |
| iBPC-4041-CAN | | | | | 2 | 2 | | | |