



iBPC-4081

Features

- Intel® Atom E3845 CPU
- 2 x Ethernet port and 4 × 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 °C ~ +70 °C

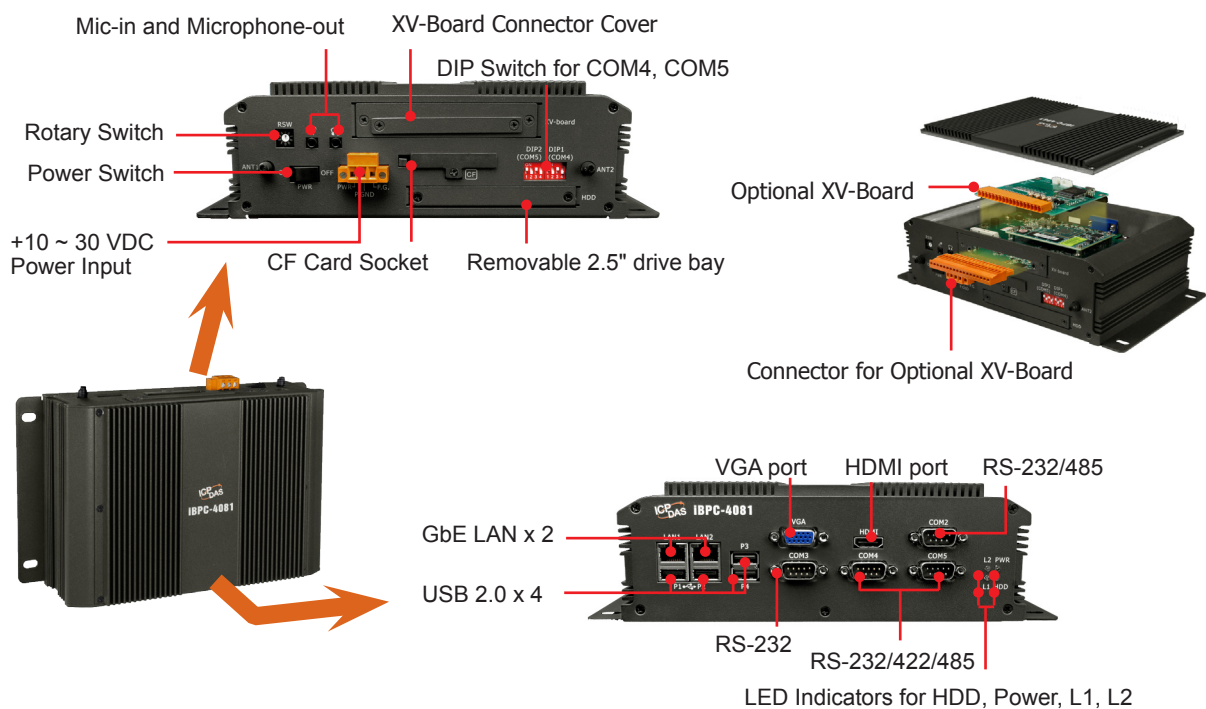


Introduction

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).

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.

Appearances



Specifications

System	
CPU	Intel E3845, 1.91 GHz, 64-bit, Quad core
System Memory	4 GB DDR3 on-board
Display Interface	VGA x 1, HDMI x 1
USB 2.0	4
Audio	Mic-in and Earphone-out
Storage	One 2.5" SATA drive bay with active LED, One CF socket
MRAM	128 KB
EEPROM	16 KB
RTC (Real Time Clock)	Provide second, minute, hour, date, day of week, month, year
Hardware Serial Number	64-bit hardware serial number for software copy protection
Dual Watchdog Timers	Yes
Rotary Switch	Yes (0 to 9)
LED Indicator	4 (Run, PWR, L1, L2; L1 and L2 for user programmable)
Others	2 x SMA type opening for antenna
System Software	
OS Support	Win7/Win8/Win10/WES7/Linux
SDK Provided	Dll for VC and Visual Studio.Net
I/O Expansion Slots	
I/O Expansion Bus	Yes, one optional XV-board
PCI Express Mini Card	1
Communication Ports	
Ethernet	2 x RJ-45 10/100/1000 Base-TX (Auto-negotiating, Auto MDI/MDI-X, LED indicators)
COM 1	Internal communication for XV-board series
COM 2	RS-232/485 (RS-232: Rx/D, Tx/D, GND; RS-485: Data+, Data-); 3000 VDC isolated
COM 3	RS-232 (Rx/D, Tx/D, CTS, RTS, DSR, DTR, CD, RI and GND); 3000 VDC isolated
COM 4	RS-232/RS-485/RS-422, 3000 VDC isolated
COM 5	RS-232/RS-485/RS-422, 3000 VDC isolated
Mechanical	
Dimensions (W x H x D)	254 mm x 164 mm x 74 mm
Installation	Wall or DIN-Rail mounting
Ingress Protection	IP30 (Aluminum)
Environmental	
Operating Temperature	-25 °C ~ +70 °C
Storage Temperature	-40 °C ~ +75 °C
Ambient Relative Humidity	10 % ~ 90 % RH (non-condensing)
Power	
Input Range	+10 VDC ~ +30 VDC
Isolation	1 kV
Power Switch	Yes
Consumption	18 W (0.75 A @ 24 VDC)

Ordering Information

iBPC-4081	Industrial fanless embedded Box PC with Intel Atom E3845 CPU
------------------	--