



## Data sheet

**SP-ISBP2-XXXXX**

Industrial PC systems

Your partner in automation

## Ruggedized Industrial Small Box PC

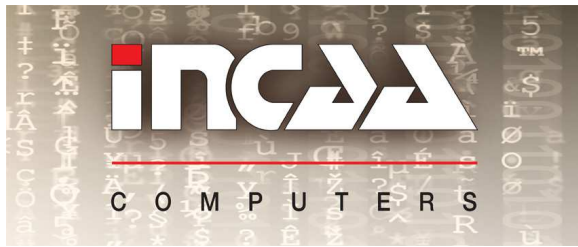
High-performance industrial Small Box PC featuring Intel's 4th-gen Core Haswell (LGA1150) desktop CPUs.



### Features

- Ruggedized stainless steel housing with powder coating
- 4th Generation Intel® Core i7 / i5 / i3 / Pentium Processor. Intel H81 Chipset
- Intel Graphics, DirectX 11.1
- Support Independent Displays, HDMI, DVI, VGA
- Supports DDR3-1600 SODIMM up to 16GB Total
- Shared mSATA and mini-PCI Express Slot
- Gigabit LAN, 2x SATA3, 1x SATA2, 7x USB 2.0, 2x USB 3.0, 4x COM, Watchdog timer

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## Description

The SP-ISBP2 is based on the GA-H81N Mini-ITX Motherboard with the 4th Generation Intel® Core i7 / i5 / i3 / Pentium Processor Socket LGA 1150 (Formerly Haswell). This board is compatible with Win XP, Win 7, Win 8 and Linux. The ISBP can be powered with a power supply from 9VDC up to 36VDC. This makes the ISBP suitable for automotive applications. The fans (CPU, Case) are Temperature controlled.

## Technical Specifications of the Motherboard

- Model / Series :GA-H81N
- Processor :Socket LGA1150, Supports 4th Generation Intel Core i3, i5, i7  
:Processors (Haswell)
- Chipset :Intel H81 Chipset
- Video :Intel Graphics in processor, DirectX 11.1,  
:OpenGL 4.0
- Memory :2 \* 204-pin SO-DIMM slots supporting dual channel DDR3-1600  
:up to 16GB total
- Expansion Slots :1 \* PCI Express 3.0 x16 Slot
- Storage :3 \* SATA3 6Gb/s ports supporting RAID 0, 1, 5, 10, JBOD  
:1 \* mSATA and 1 \* SATA2
- Audio :Realtek ALC887 5.1 Channel HD Audio
- Network :1 \* Realtek Gigabit LAN
- Other Features :Support ACPI S3, CPU Smart FAN
- Rear Panel I/O :2 \* USB 3.0 Ports  
:5 \* USB 2.0 Ports  
:1 \* RJ-45 Ports  
:1 \* HDMI, 1 \* DVI-D, 1 \* VGA  
:3 \* Audio Jacks (Line In, Line Out, Mic In)  
:1 \* PS/2 Mouse/Keyboard connector
- Internal I/O :1 \* USB Header for 2 \* USB 2.0 Ports  
:CPU Fan connector, 2 \* SYSFAN connectors  
:24-pin ATX and 4-pin 12V\_ATX Power connectors
- BIOS :AMI UEFI 64MB DIP Flash ROM
- Certification :CE, FCC, RoHS
- Temperature :Operating Temperature 0~60 ° C, Storage Temp -20-85 ° C

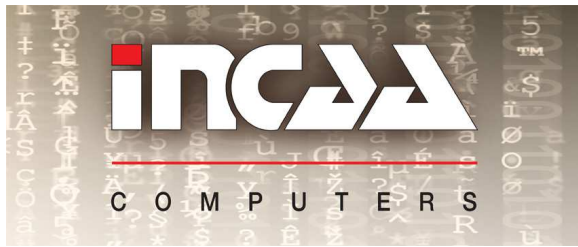
## Mechanical Dimensions

- Height :215 mm
- Width :85 mm
- Length :230 mm

## Environmental Conditions

- Max. operating relative humidity :90 %, no condensation
- Operating temperature :0 – 60 °C
- Power supply requirements :9V – 36V / DC / 40W

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**Warranty** :1 year

### **Ordering Information**

- SP-SBP2-17257 :29-17257-8  
Intel Core i3-4130T 2,9GHz, 35W  
mSata SSD 64GB  
16GB RAM
- SP-SBP2-XXXXX :Other configurations on request

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