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 Q87 Chipset
- Long-Life Embedded Class with Planned Lifecycle Through Q4'2018
- Intel HD 4000/5000 Graphics, DirectX 11.1
- Support up to Three Independent Displays, HDMI, DVI, VGA, 24bit LVDS
- ECO-design for EuP/ErP
- Supports DDR3-1600 SODIMM up to 16GB Total
- 1 * Shared mSATA/mini-PCI Express Slot
- Dual Intel Gigabit LAN, Intel iAMT 9.0 Supported2x SATA, 8x USB 2.0, 4x COM, Watchdog timer

Design and manufacturing of computer systems for industry, science and OEM

Description

The SP-ISBPX is based on the NF9J-Q87 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.
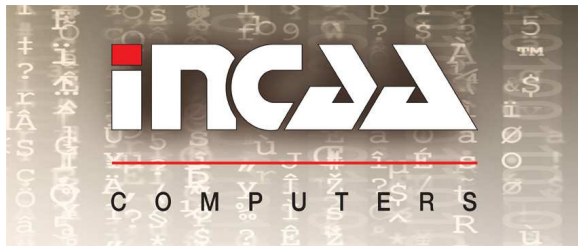
Technical Specifications of the Motherboard

- Model / Series :NF9J
- Part No :JNF9J-Q87
- Processor :Socket LGA1150, Supports 4th Generation Intel Core i3, i5, i7 :Processors (Haswell)
- Chipset :Intel Q87 Express Chipset
- Video :Intel HD 4000/5000 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 :5 * SATA3 6Gb/s ports supporting RAID 0, 1, 5, 10 , JBOD :1 * Shared mSATA/mini-PCI Express slot (Full-size)
- Audio :Realtek ALC662 5.1 Channel HD Audio
- Network :1 * Intel i211AT Gigabit LAN, 1 * Intel i217LM Gigabit LAN with :iAMT 9.0 support
- Other Features :Support ACPI S3, CPU Smart FAN, Watchdog Timer 10-255 :min/sec
- Rear Panel I/O :2 * USB 3.0 Ports
  :4 * USB 2.0 Ports
  :2 * RJ-45 Ports
  :2 * Serial Ports (1 * RS232, 1 * RS232/422/485)
  :1 * HDMI, 1 * DVI-D, 1 * VGA
  :3 * Audio Jacks (Line In, Line Out, Mic In)
- Internal I/O :1 * USB Header for 2 * USB 3.0 Ports
  :2 * USB Headers for 4 * USB 2.0 Ports
  :CPU Fan connector, 2 * SYSFAN connectors
  :1 * PS/2 Mouse/Keyboard connector
  :2 * Serial Port Headers (1 * RS232, 1 * RS232/422/485)
  :8-bit GPIO Header, CIR Header, Chassis Intrusion Header
  :24-pin ATX and 4-pin 12V_ATX Power connectors
- BIOS :AMI UEFI 64MB DIP Flash ROM
- Certification :CE, FCC, RoHS, ErP
- Temperature :Operating Temperature 0~60 º C, Storage Temp -20-85 º C

Mechanical Dimensions

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

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Environmental Conditions

- Max. operating relaltive humidity
- Operating temperature
- Power supply requirements

:90 %, no condensation

:0 – 60 °C

:9V – 36V / DC / 40W

Warranty

:1 year

Ordering Information

- SP-SBP6-17753

:29-17753-6
 Intel Core i3-4130T 2,9GHz, 35W
 mSata SSD 64GB
 16GB RAM

- SP-SBP6-XXXXX

:Other configurations on request

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