



FALCON modular 1xx

Compact Modular Fanless IPC
with innovative i-Module for
flexible expansion



FEATURES

Processors

- 7th** or 6th Generation of Intel® Core™ CPU Technology supported

System

- Support expansion modules (PCI/PCIe and Hot-Swap Storage Expansion Kit)
- Wide operating temperature
- Designed for 24/7 use in industrial applications
- Embedded Roadmap lifecycle

Power supply

- Input 9 ... 36 V_{DC} Phoenix Connector

Storage Mediums / Memory

- 1 x 2,5" HDD/SSD internal + 1 x CFAST + 1 x mSATA
- DDR4 SO-DIMM memory max. Capacity 32GB (up to 16GB per SO-DIMM)

Interfaces

- 2 x RJ45 for 10/100/1000 MBit/s Ethernet
- 8 x USB 3.0 ¹ or 4 x USB 2.0 + 4 x USB 3.0 ²
- 4 x Serial Port RS232 (2 x RS-232/422/485 support auto flow control)
- 2 x Display VGA/DVI (third display output via optional cable) ²
- 1 x Connector for power supply
- High Definition Audio

¹ only SKU w/ H110 chipset

² only SKU w/ Q170 chipset

**KBL-S only support Windows® 10

Options

- GPIO module (32 bit)
- Power Adapter with Phoenix plug
- 2-Slot i-module with 1 x PCIe x16 + 1 x PCIe x4
- 2-Slot i-module with 2 x PCIe x8 ²
- 2-Slot i-module with 1 x PCIe x16 + 1 x PCI
- 2-Slot i-module with 1 x PCIe x16 + 1 x PCIe x4 + 2 x 2.5" HDD/SSD bay ²
- 4-Slot i-module with 1 x PCIe x8 + 3 x PCIe x4
- 4-Slot i-module with 1 x PCIe x16 + 3 x PCI

Housing

- Dimensions (w x h x d): 78 x 192 x 230 mm

Operating Systems

- Windows® 7 FES
- Windows® 10 IoT Enterprise 2016 LTSB
- Linux

Certifications

- CE/FCC Class A, CCC, BSMI, UL (other Certifications on request)

Physical and environmental conditions

- Ambient operating temperature range -10°C ... 50°C
- Non-operating temperature range -40°C ... 85°C

Customized Solutions

Feel free to contact Janz Tec's sales team for special requirements and features!