



FALCON passive 2xx

Mini-ITX Compact-IPC with passive cooling concept and LP Expansion Slots



FEATURES

Processors

- 8th Generation of Intel® Core™ CPU Technology supported
- 7th or 6th Generation of Intel® Core™ CPU Technology supported

System

- Passive cooling concept (fanless) with integrated heat sink on top cover
- Provides industry leading conduction cooling performance, 70 % improvement over current conduction cooling methods
- Designed for 24/7 use in industrial applications
- Embedded Roadmap lifecycle

Power supply

- Input 12 ... 24 V_{DC} Phoenix Connector ¹ or 12 V_{DC} DIN Connector ²

Storage Mediums / Memory

- Up to 2 x SSD internal (RAID 1) and 1 x M.2 Socket (2242/2260) for PCIe (2 lanes) ²
- DDR4 SO-DIMM memory max. Capacity 32GB (up to 16GB per SO-DIMM)

Interfaces

- 2 x RJ45 for 10/100/1000 MBit/s Ethernet
- 4 x USB 3.0/3.1 (rear) and/or 4 x USB 2.0 (rear) ²
- 1 x Serial Port COM1 (RS232)
- 2-3 x Display VGA/DP/HDMI ¹ or DVI-D/DP/DP ²
- 1 x Mini-PCIe (FS x1, mSATA supported) ¹ or Shared

mSATA/Mini-PCIe (HS/FS incl. USB 2.0) ²

- 1 x PCIe x16 or PCIe x4 w/ low profile bracket
- 1 x Low profile bracket for I/O extension
- 1 x Connector for power supply
- High Definition Audio

Options

- Wall or Desktop mounting bracket
- Plastic tip-up feet or Rubber feet kit
- Power Adapter with Phoenix or DIN lockable DC plug

Housing

- Aluminium housing for industrial usage w/ Integrated EMC and IP20 protection
- Color RAL 7021 (other Color on request)
- Dimensions (w x h x d): 240 x 119 x 190 mm

Operating Systems

- Windows® 10 IoT Enterprise 2016 LTSC
- Linux

Certifications

- CE (other Certifications on request)

Physical and environmental conditions

- Ambient operating temperature range 0°C ... 50°C (w/ air flow)
Non-operating temperature range -20°C ... 60°C

¹ Mainboard type AIMB-275G2

² Mainboard type D3433-S2