



## FALCON passive 2xx

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



### FEATURES

#### Processors

- 7<sup>th</sup> Generation Intel® Core™ i7-7700T Processor w/ Configurable TDP-down and TDP-down Frequency or i5-7500T w/ TDP-down Frequency

#### System

- Passive cooling concept (fanless) with integrated heat sink on top cover with tbd mm heat fins
- 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<sub>DC</sub> Phoenix Connector <sup>1</sup> or 12 V<sub>DC</sub> DIN Connector <sup>2</sup>

#### Storage Mediums / Memory

- Up to 2 x SSD internal (RAID 1) and 1 x M.2 Socket (2242/2260) for PCIe (2 lanes) <sup>2</sup>
- 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 (rear) and 4 x USB 2.0 (rear) <sup>2</sup>
- 1 x Serial Port COM1 (RS232)
- 3 x Display VGA/DP/HDMI <sup>1</sup> or DVI-D/DP/DP <sup>2</sup>
- 1 x Mini-PCIe (FS x1, mSATA supported) <sup>1</sup> or Shared mSATA/Mini-PCIe (HS/FS incl. USB 2.0) <sup>2</sup>

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

#### Options

- Clip for horizontal rail mounting
- 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 IP30 protection
- Color RAL 7021 (other Color on request)
- Dimensions (w x h x d): 240 x tbd 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 ... tbd°C (w/ air flow)
- Non-operating temperature range -20°C ... 60°C

<sup>1</sup> Mainboard type AIMB-275G2

<sup>2</sup> Mainboard type D3433-S2

Product announcement