AIR I200

AI Inference System with
Intel® Movidius™ Myriad X VPU

Main Features

- Support 6th/ 7th gen. Intel® Core™ i7/i5/i3 LGA 1151 socket CPU processor
- Compact design to support extra expansion slots: 1xPCIex16, 1xPCIex4, 1xminiPCIe
- Support two independent display: 1xDP, 1xDVI-I

- Support 4xUSB2.0, 2xUSB3.0, 2xRS232, 2xRS232/422/485, 1xinternal USB 2.0
- Optional Intel Myriad X 2485 VPUs *1/*2/*8
- Optional Intel OpenVINO toolkit

Product Overview

NexCOBOT offers a compact AIR I200 with single/dual/eight Intel® Movidius™ Myriad™ X VPU with a dedicated neural compute engine designed to speed up inferences for deep learning programs.

AIR I200 AI Inference System is designed for the visual applications of industrial equipment and industrial robot. The neural network computing capability allows it to perform AI vision tasks such as object recognition and defect detection.

Specifications

CPU
- Support 6th/ 7th gen. Intel® Core™ i7/i5/i3 LGA 1151 socket CPU processor

RAM
- Up to 32GB

Display Option
- 1x DVI-I Connector
- 1x DP Connector (optional)

Front I/O Interface
- 1x ATX power on/off switch
- 2 LED Indicators:
  - Power on LED x1
  - Hard Disk active LED x1
- 2x USB 2.0 ports
- 1x Reset button
- 1x System Fan (optional)

AI Inference engine
- Optional Intel® Movidius™ Myriad™ X MA2485 VPU Per VPU *1/*2/*8
- Optional Intel® OpenVINO™ Toolkit 2019 R1.1

Power Requirements
- Power input: +19V DC
- Power adaptor: Optional AC to DC power adapter (19V DC, 120W)

Rear I/O Interface
- 2x Intel® GbE LAN ports
  - 1x Intel® WG1219LM GbE PHY
  - 1x Intel® I211 Gigabit Ethernet Controller
- 2x USB2.0
- 2x USB3.0
- 4x COM Port
  - 2x RS232
  - 2x RS232/422/485 (default is RS232)

Storage
- 2 x 2.5" HDD or SSD

Expansion Slot
- 1x mPCIe
- 1x PCIe x4 slot: length m ax. 190mm
- 1x PCIe x16 slot: length m ax. 190mm

Dimensions
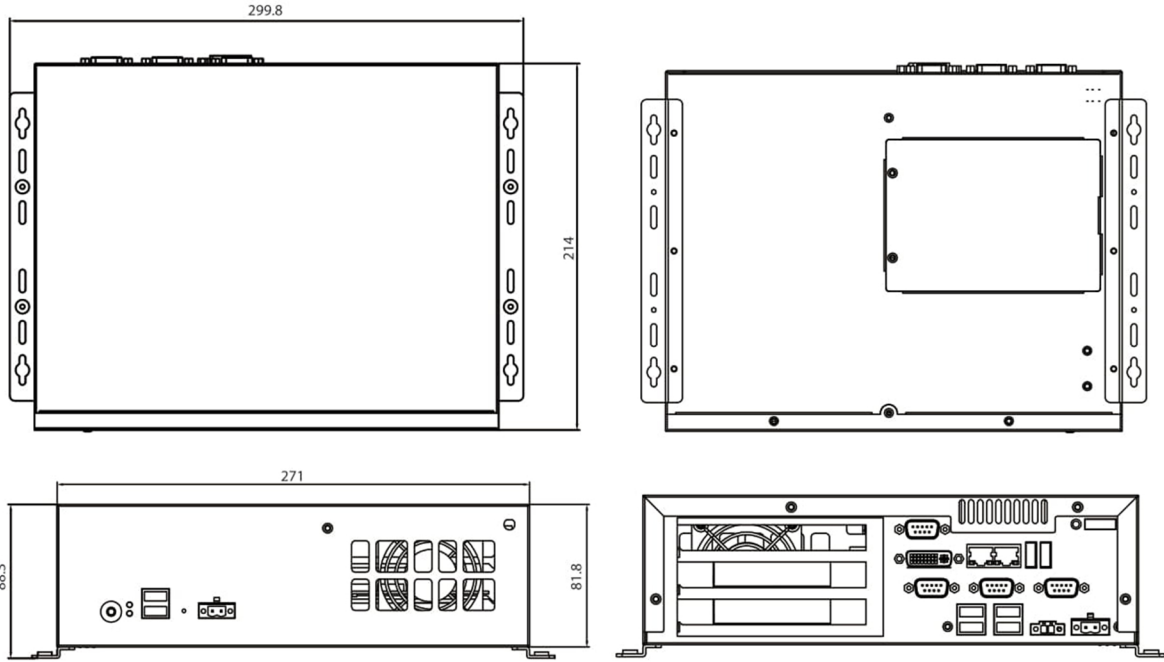- 300mm (W) x 214mm (D) x 88.3mm (H) without wall mount bracket

OS Support Lists
- Windows 10 64 bits
- Ubuntu 16.04

Weight Information
- Gross weight: 4.1kg
- Net weight: 3.5kg

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Dimension Drawing

Front view

Ventilation Holes for CPU Fan

3 Expansion Slots: PCIex16, PCIex4, PCI
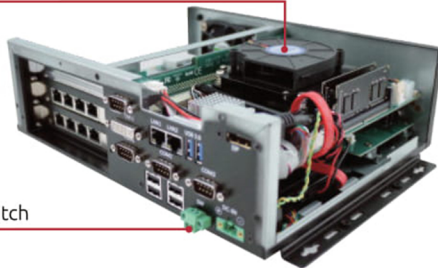
Rear view

System Fan (optional)

Power in 19V

Inside view

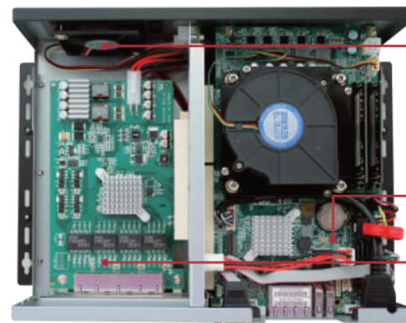Powerful CPU Fan Support up to 65W CPU Processor

Remote Power Switch

Optional System Fan

CPU board

Support Intel® Movidius™

Ordering Information

- **AIR I200 L1 (P/N: TBD)**
  AI Inference System with single Intel® Movidius™ Myriad X VPU

- **AIR I200 L2 (P/N: TBD)**
  AI Inference System with dual Intel® Movidius™ Myriad X VPU

- **AIR I200 X8 (P/N: TBD)**
  AI Inference System with eight Intel® Movidius™ Myriad X VPU

- **AIR I200(P/N: TBD)**
  AI Inference System