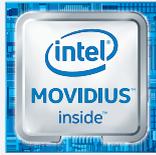


AIEdge-X[®] 537-VPU

Compact AI at the Edge System
Powered by Intel[®] Movidius[™] Myriad[™] X VPU



Main Features

- 7th generation socket type Intel[®] Core processor up to 35W
- Support HDMI 2.0 output (4K2K/60Hz support)
- Compact and slim design (H: 33mm)
- Equipped with Intel[®] Movidius[™] Myriad[™] AIBooster[®]
- M.2 mini-PCIe slot support Wi-Fi and 4G module
- Fanless design

Product Overview

Powered by 7th generation Intel[®] Core[™] processor, the AIEdge-X[®] 537-VPU fanless embedded player equipped with Intel[®] Movidius[™] Myriad[™] X AIBooster[®] can support Edge AI applications like facial/object detection, the AIEdge-X[®] 537-VPU fanless embedded player can handle powerful multimedia content. In addition, the 7th generation Intel[®] Core[™] processor delivers up to two-and-a-half times the performance in graphics, offering stunning visuals for striking 4K entertaining content creation, media playback, and image processing. The slim fanless design with extended durability further covers usages like endless aisles, QSRs, drive-thru kiosks, bus stops, digital transit information, NEXCOM AIEdge-X[®] 537-VPU is designed to acquire data from device in the field side, and analyze and respond in a timely matter while all on the "Edge".

Specifications

CPU Support

- 7th Gen Intel[®] Core[™] socket type processor up to 35W

Chipset

- Intel[®] PCH Q170

Graphics

- Intel[®] HD graphics 630

Main Memory

- 2 x 260-pin SO-DIMM Sockets, supports DDR4 1866/2133 MHz non-ECC, unbuffered memory up to 32G (single socket max.16GB)

I/O Interface-Front

- 1 x Power button with LED
- 1 x Power LED/HDD LED
- 2 x USB 3.0
- 1 x HDMI 2.0, 1 x HDMI 1.4
- 1 x DisplayPort (B537-I only)
- 1 x RJ45 with LEDs for Gigabit LAN (2 x RJ45 for B537-I only)
- 2 x COM port
- 1 x 4-pin mini-din with lock

I/O Interface-Rear

- 2 x USB 3.0
- 3 x Antenna hole
- 1 x MIC-in
- 1 x Line-out

AIBooster[®] Selection

- 1 x Intel[®] Movidius[™] Myriad[™] X VPU (P/N: 20V000VPU00X0)
- 2 x Intel[®] Movidius[™] Myriad[™] X VPU (P/N: 20V000VPU01X0)

Expansion

- 1 x M.2 2230 Key E for optional WLAN

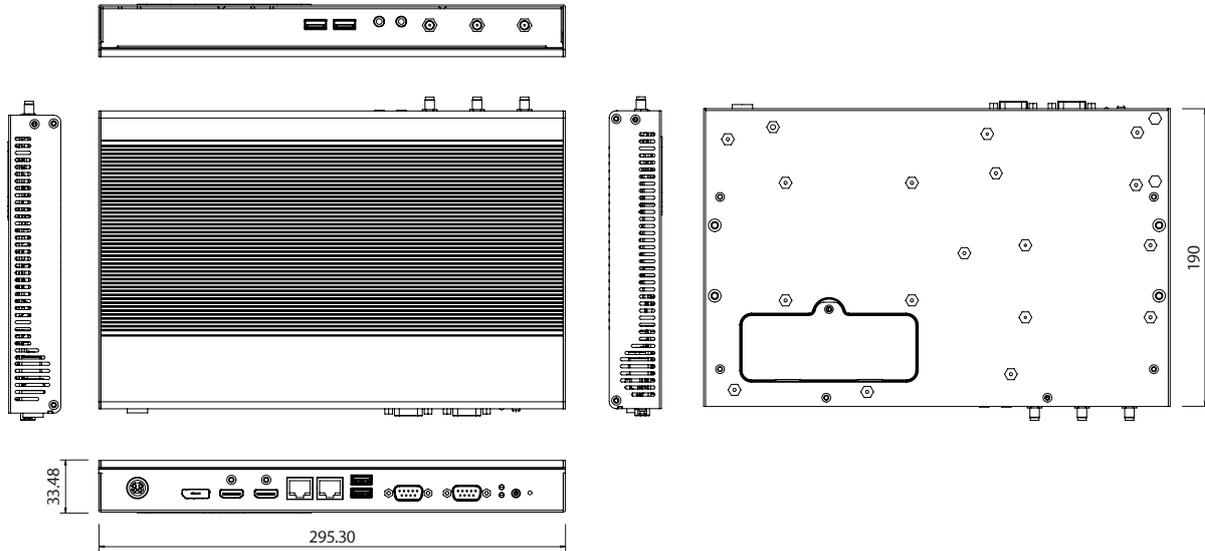
Storage

- 1 x SATA 2.5" HDD/SSD

Power Supply

- 1 x External 96W AC/DC power adapter
- Input: 100VAC to 240VAC
- Output: DC+12VDC

System Architecture



Environment

- Operating temperature: -5°C to 35°C
- Storage temperature: -20°C to 80°C
- Humidity: 10 to 90% (non-condensing)

Certification

- CE
- FCC Class B

Dimensions

- 295mm (W) x 189.9mm (D) x 33mm (H)

Operating System Support

- Win10/Linux

Ordering Information

Barebone

- ♦ **AIEdge-X®537-VPU (P/N: TBC)**
Intel® Core™ 7th generation processor slim and fanless system with Intel® Movidius™ Myriad™ X AIBooster® x 1
- ♦ **AIEdge-X®537-VPU (P/N: TBC)**
Intel® Core™ 7th generation processor slim and fanless system with Intel® Movidius™ Myriad™ X AIBooster® x 2