Neu-X300

Edge Computing System
Powered by 8th Generation Intel® Core™ Processor

Main Features

- 8th gen. Intel® Core™ socket type processor
- HDMI 2.0 resolution 4K@60Hz
- Storage M.2 M Key 2280
- Support Vpro technology
- Dual DDR4 SO-DIMM
- TPM2.0 IC on board
- PCIe x16 slot for extra graphic card usage
- Fanless design

Product Overview

Powered by the 8th generation Intel® Core™ processor, the Neu-X300 Series fanless embedded player can handle powerful multimedia content and offer stunning visuals for striking 4K entertaining content creation, media playback, and image processing. The Neu-X300 Series manages in-store traffic analytics, simultaneously engaging “calls to action” with virtual interactions in order to increase product interest.

Neu-X300 Series, supporting up to triple HDMI 2.0 displays, USB 3.0 ports, and a RS232 interface, is an ideal high-end embedded player to optimize information visualization, convey brand messages, customer engagement, and smart retail management efficiencies to increase in-store traffic and sales. The slim fanless design with extended durability further covers usages like endless aisles, QSRs, drive-thru kiosks, bus stops, digital transit information signs, and information stands.

Specifications

CPU Support

- 8th Gen Intel® Core™ socket type processor up to 35W
  - i3-8100T Quad cord, 3.10 GHz, TDP 35W
  - i5-8500T 6 cord, 2.10 GHz, TDP 35W
  - i7-8700T 6 cord, 2.40 GHz, TDP 35W

Chipset

- Intel® PCH Q370
- Intel® PCH H310

Graphics

- Intel® UHD Graphics 630

Main Memory

- 2 x 260pin SO-DIMM socket, support up to DDR4 2400/2666MHz, non ECC, un-buffered memory up to 32G (single 16G)

I/O Interface-Front

- 1 x Storage active LED
- 1 x Power LED
- 1 x Power button

I/O Interface-Rear

- 2 x Antenna hole
- 4 x USB 3.0
- 3 x HDMI2.0 (only 2x HDMI2.0 for H310)
- 1 x RS232/422/485 COM port
- 2 x RJ45 with LEDs for Gigabit LAN
- 1 x 12V DC input, 4 pin DC Jack
- 1 x Audio out

Internal I/O

- 3 x RS232 COM port connector
- 4 x USB 2.0 pin header
- 1 x PCIe x16 slot (no support for H310)
- 1 x SATA connector

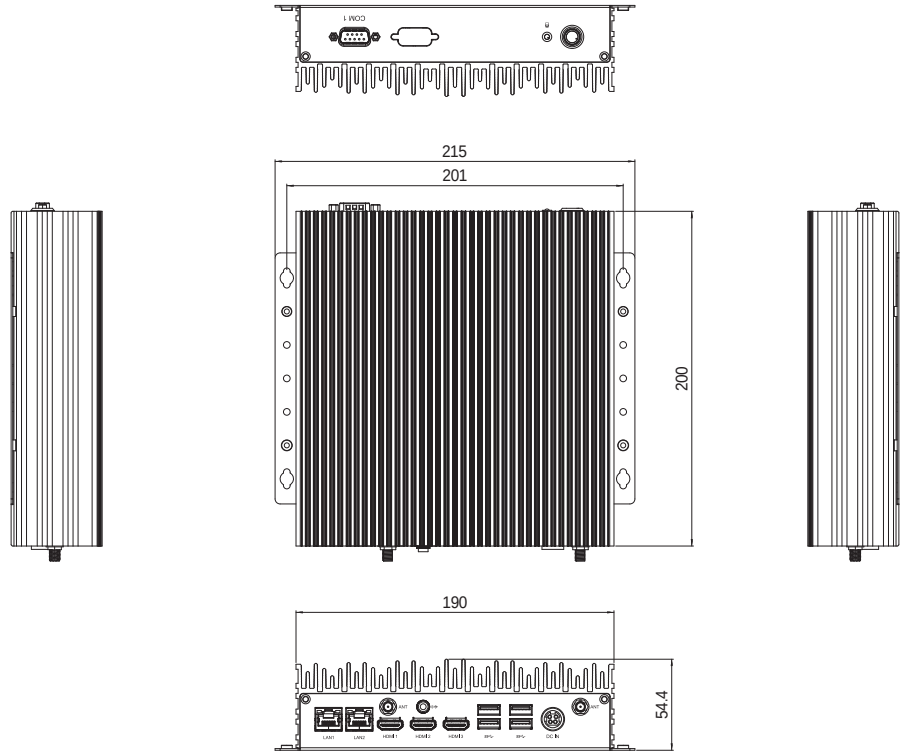
Expansion

- 1 x M.2 2230 connector, support Wi-Fi module

Storage

- 1 x M.2 M Key 2280 SSD with SATA/PCIe signal
- 1 x Onboard TPM2.0 (no support for H310)

Dimension Drawing



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

Environment
- Operating temperature: -5°C to 45°C
- Storage temperature: -20°C to 80°C
- Humidity: 95% (non-condensing)

Certification
- CE (EMC EN55032 +EN55024)
- FCC Class A (EMI part 15B)

Dimensions
- 190mm (L) x 200mm (W) x 54.4mm (H)

Operating System
- Win10 64bit/Linux

Ordering Information

- **Neu-X300-Q370 (P/N: 10W00X30000X0)**
  8th Generation Intel® Core™ processor slim and fanless system with PCH Q370
- **Neu-X300-H310 (P/N: 10W00X30001X0)**
  8th Generation Intel® Core™ processor slim and fanless system with PCH H310

We reserve the right to change specifications and product descriptions at any time without prior notice.