

Neu-X300-Q370



Neu-X300-H310

## 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
- ♦ TPM 2.0 IC on board
- ♦ 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 core, 3.10 GHz, TDP 35W
  - i5-8500T 6 core, 2.10 GHz, TDP 35W
  - i7-8700T 6 core, 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 HDMI 2.0 (only 2 x HDMI 2.0 for H310), support EDID (only Q370)
- ♦ 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

- ♦ 2 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
- ♦ 1 X GPIO

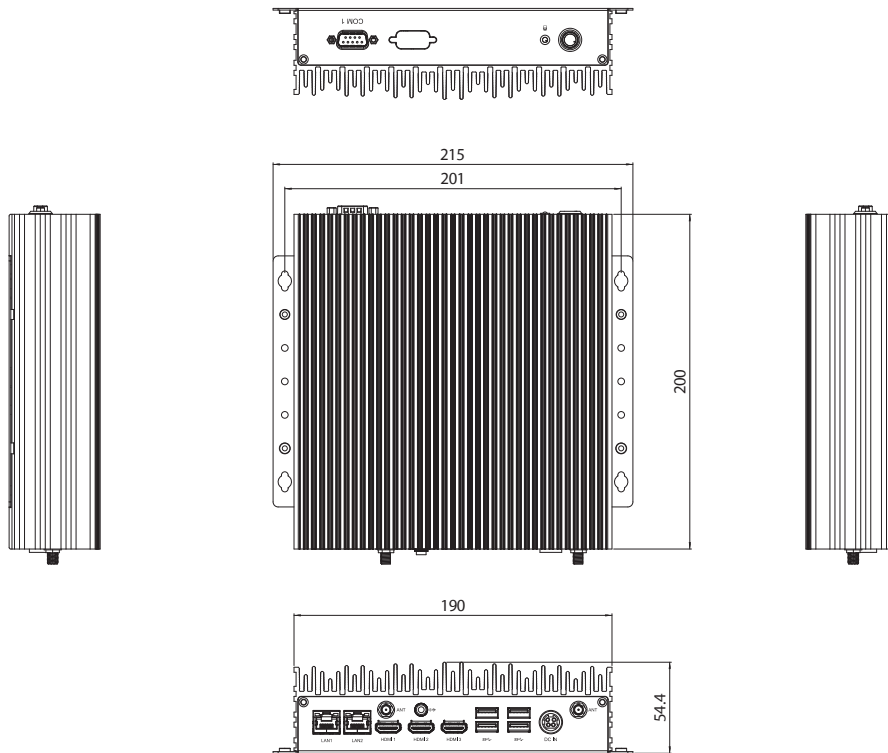
### Expansion

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

### Storage

- ♦ 1 x M.2 M Key 2280 SSD with SATA/PCIe x4 (no support for H310) signal
- ♦ 1 x Onboard TPM 2.0 (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 +EN55035)
- 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 PCB Ver.B (P/N: 10W10X30000X4)**  
8th Generation Intel® Core™ processor slim and fanless system with PCH Q370
- **Neu-X300-H310 PCB Ver.B (P/N: 10W10X30001X4)**  
8th Generation Intel® Core™ processor slim and fanless system with PCH H310