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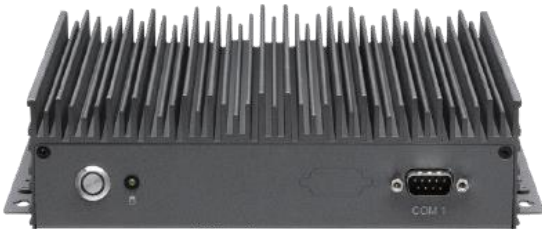
Datasheet

Nexcom

Neu-X300

Fanless and compact industrial Box PC for LGA socket type

Intel® 8th Gen. Intel® Core™ Processor and Intel® Q370 / H310 Chipset



Neu-X300-Q370

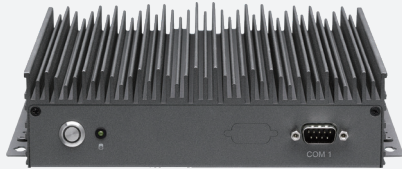


Neu-X300-H310

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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

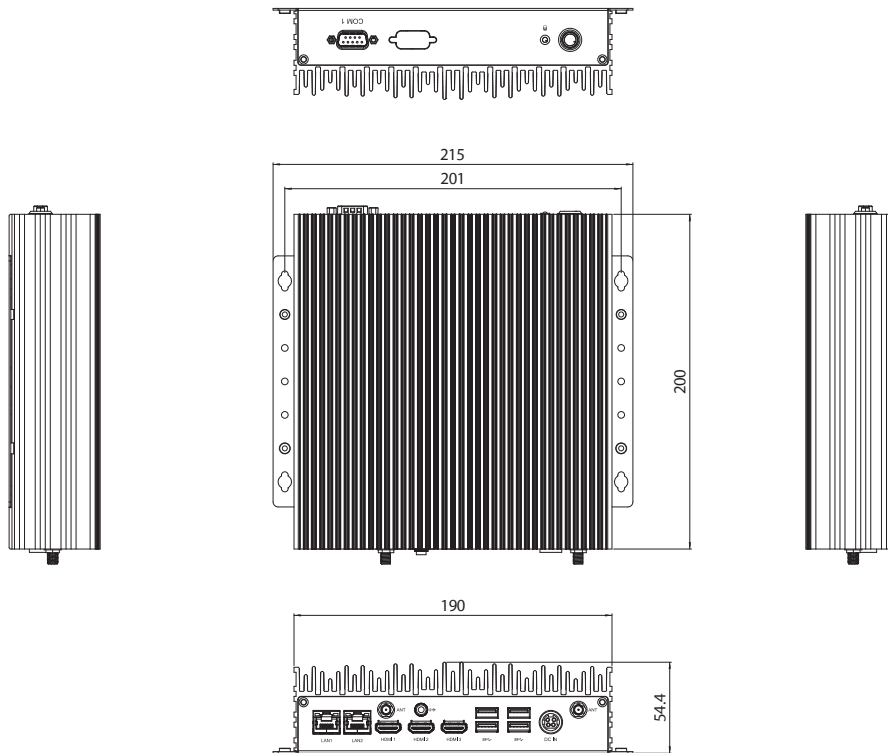
Expansion

- 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

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