Neu-X101-6C-DC

Main Features

- Onboard Intel® Celeron® processor J3455
- Support 1 x RS232/422/485, 4 x RS485, 1 x RS232
- Dual HDMI 4K@30Hz independence display
- Support wide range of DC Input from 9~24V
- Palm size for IoT edge computer application

Product Overview

Powered by Intel® Celeron® processor, Neu-X101-6C-DC fanless edge computing system can handle 2 independence HDMI 4K@30Hz display output. Neu-X101-6C-DC also has rich I/O interface with 4 x USB ports, 2 x LAN and 6 x COM, an ideal IoT edge computer connecting more devices or sensors for digital data transmission in smart city. As a palm size system, the installation is much easier as less space concern. Neu-X101-6C-DC is also a good option to enable the digital transformation for pushing the data to the cloud in IoT gateway application. The slim fanless design with extended durability further covers usages like access control, automated machine, parking payment machine, coin machine, self-service machine and IoT gateway device.

Specifications

CPU Support
- Onboard Intel® Celeron® processor J3455, up to 2.30GHz

Graphic
- Intel® HD graphics 500

Main Memory
- 1 x 204-pin SO-DIMM socket, support DDR3L 1600MHz, non-ECC, un-buffered memory up to 8GB

I/O Interface-Front
- 6 x COM ports
  - COM1: RS232/422/485
  - COM2: RS232
  - COM3-6: RS485
- 1 x Storage active LED

I/O Interface-Rear
- 2 x RJ45 with LEDs for Gigabit LAN
- 2 x HDMI 1.4b, resolution 3840 x 2160 30Hz
- 2 x USB 3.0

- 2 x USB 2.0
- 1 x Power button with LED
- 1 x 2-pin phoenix contact 9-24V DC-input

Internal I/O
- 1 x Internal connector for optional TPM module
- 1 x Speaker out (2W 4Ω), 1 x Mic-in, 1 x Lin-out via realtek ALC3251 HD codec
- 2 x Internal pin header for USB 2.0

Storage
- 1 x M.2 2242 Key M

Power Requirement
- Power input:9~24V DC

Environment
- Operating temperature: -5°C to 50°C ambient with 0.7 m/s air flow (according to IEC60068-2-1, IEC60068-2-2, IEC60068-2-14)
- Relative Humidity: 10% to 95% (non-condensing)
- Storage temperature: -20°C to 80°C
- Shock protection w/ flash storage: 50G, half sine, 11ms, IEC60068-2-27

NEXCOM

Dimension Drawing
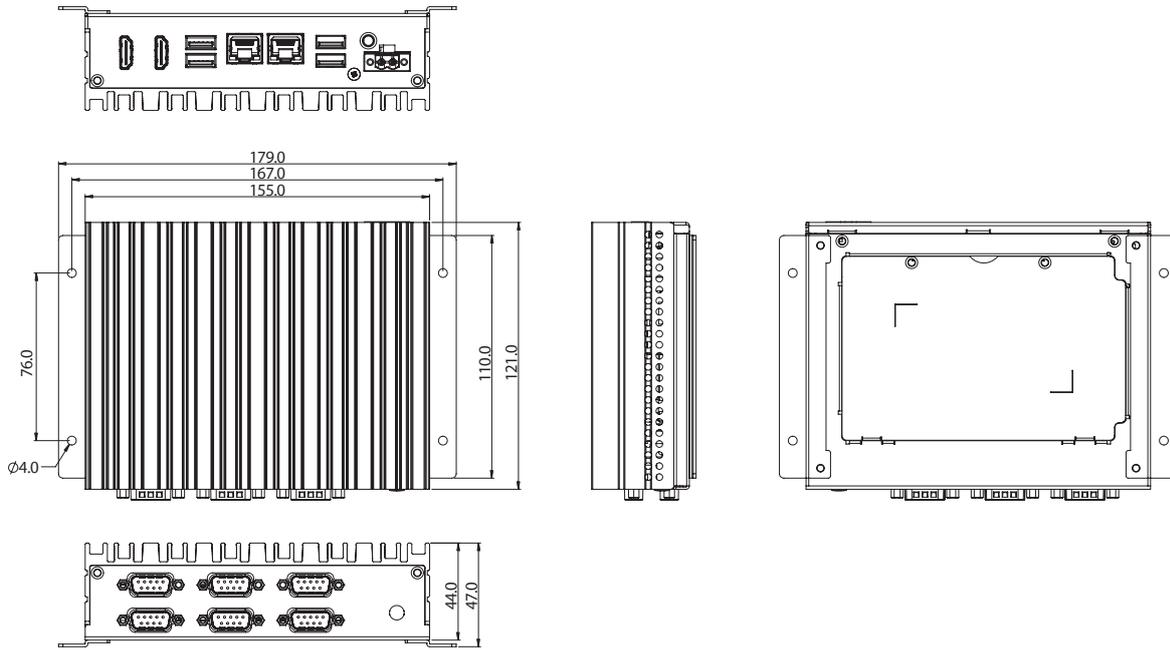
- Vibration protection w/ flash storage:
  - Random: 2Grms@5~500Hz, IEC60068-2-64
  - Sinusoidal: 2G@5~500Hz, IEC60068-2-6

Mechanical & Dimension
- Aluminum and metal chassis with fanless design
- 155mm (W) x 121mm (D) x 44mm (H) without wall-mount bracket

Certification
- CE (EN55035 + EN55032)
- FCC Class A (EMI part 15B)
- LVD (EN62368-1)
- UKCA

Operating System
- Win10 64-bit
- Linux 4.1

Ordering Information

- **Neu-X101-6C-DC (P/N: 10W10X10106X2)**
  Fanless edge computing system powered by Intel® Celeron® processor J3455 with 6 x COM ports