Neu-X101

Main Features

- Intel® Celeron® processor J3455
- Slim chassis design
- Support 2 x HDMI® 1.4b output
- Support DC 12V power input

- Fanless design
- 1 x DDR3L SO-DIMM, up to 8GB
- 1 x M.2 Key M 2242 for storage device
- 1 x Mini PCIe slot supports Wi-Fi and LTE modules

Product Overview

Powered by the Intel® Celeron® processor, the Neu-X101 fanless embedded player can handle two independent display outputs. It supports dual HDMI® display outputs, dual USB 3.2 ports, and an RS-232/422/485 interface. The Neu-X101 is an ideal embedded player for optimizing information visualization, conveying brand messages, enhancing customer engagement, and improving smart retail management efficiency to increase in-store traffic and sales. It can also be applied as a gateway for smart city applications. The slim, fanless design with extended durability also makes it ideal for applications such as endless aisles, QSRs, drive-thru kiosks, bus stops, digital transit information signs, and information stands.

Specifications

CPU Support
- Intel® Celeron® processor J3455, TDP 10W

Graphics & Display
- Intel® HD graphics 500

Main Memory
- 1 x DDR3L 1600 SO-DIMM, non-ECC, unbuffered, up to 8GB

I/O Interface-Front
- 2 x Antenna hole
- 1 x COM port (DB9), supports RS-232/422/485
- 1 x Storage active LED

I/O Interface-Rear
- 2 x 1GbE RJ45 port with LEDs
- 2 x HDMI® 1.4b, 3840x2160@30Hz
- 2 x USB 3.2
- 2 x USB 2.0
- 1 x Power button with LED
- 1 x DC in jack with lock

Internal I/O
- 1 x 9-pin header for COM (RS-232, RI/5V/12V)
- 1 x TPM module connector
- 1 x 9-pin header for audio line out

Expansion
- 1 x Mini PCIe full-size connector with nano-SIM slot onboard, supports Wi-Fi and LTE modules
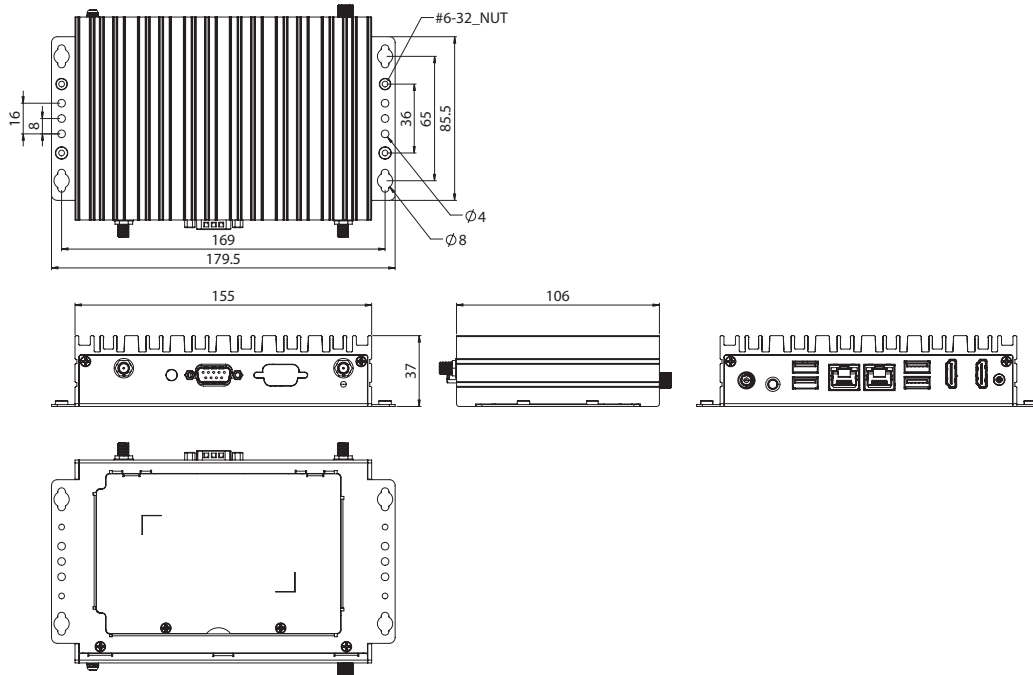
Storage
- 1 x M.2 Key M 2242

Power Supply
- 1 x External AC/DC 60W power adapter (included in accessory)
- AC 100V~240V input
- DC +12V output

Environment
- Operating temperature: -5°C~50°C ambient with air flow
- Humidity: 95% (non-condensing)
- Storage temperature: -20°C~80°C
- Shock protection: 50G peak acceleration, 11ms according to IEC 60068-2-27
- Vibration protection
  - Random: 2Grms@5Hz~500Hz, IEC 60068-2-64
  - Sinusoidal: 2G@5Hz~500Hz, IEC 60068-2-6

Dimension Drawing

Mechanical & Dimension

- System unit:
  - Dimensions: 179.5mm (W) x 106mm (D) x 37mm (H)
  - Net weight: 0.82kg
- Package carton:
  - Dimensions: 288mm (W) x 242mm (D) x 185mm (H)
  - Gross weight: 3.4kg (2 units per carton)

Certification

- CE (EN 55035 + EN 55032)
- FCC Class A (EMI Part 15B)
- LVD (EN 62368-1)

Operating System

- Windows 10, 64-bit
- Linux 4.1

Ordering Information

- **Neu-X101 (P/N: 10W10X10100X0)**
  Intel® Celeron® processor J3455 slim and fanless system

AI Booster Card

- **AIBooster®-X1 (P/N: 88W10X10000X0)**
  Intel® Movidius™ Myriad™ X VPU, Mini PCIe module (1 x MA2485)

- **AIBooster®-X2 (P/N: 88W10X10001X0)**
  Intel® Movidius™ Myriad™ X VPU, Mini PCIe module (2 x MA2485)