

Neu-X100

Edge Computing System Powered by Intel® Pentium® Processor N4200 or
Intel® Celeron® Processor J3455/N3350

Microsoft
Azure

Certified



Main Features

- Support Intel® Pentium® processor N4200
- Support Intel® Celeron® processor J3455/N3350
- 3.5" MB size as slim chassis design
- Support 2 x HDMI® 2.0 output
- Fanless design
- 1 x Mini PCIe slot supports a Wi-Fi/LTE module

Product Overview

Powered by the Intel® Pentium® or Celeron® processor, the Neu-X100 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-X100 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

Processor

- Intel® Pentium® processor N4200, TDP 6W
- Intel® Celeron® processor J3455, TDP 10W
- Intel® Celeron® processor N3350, TDP 6W

Integrated Graphics

- Intel® HD Graphics 505 (with N4200)
- Intel® HD Graphics 500 (with J3455/N3350)

Memory

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

I/O Interface Front

- 2 x Antenna hole
- 1 x Power button with LED
- 1 x Storage active LED

I/O Interface Rear

- 2 x 1GbE RJ45 port with LEDs
- 2 x HDMI® 2.0, 4096x2160@60Hz
- 1 x COM port (DB9), supports RS-232/422/485
- 1 x DC-in jack with lock
- 2 x USB 3.2

I/O Interface Internal

- 1 x 9-pin header for COM (RS-232)
- 1 x Power connector
- 1 x TPM module connector
- 1 x 4-pin header for audio line out

Expansion Slot

- 1 x Full-size Mini PCIe slot
 - Support a Wi-Fi/LTE module
- 1 x Full-size SIM slot onboard

Storage

- 1 x M.2 Key M 2242 SSD (SATA 3.0)

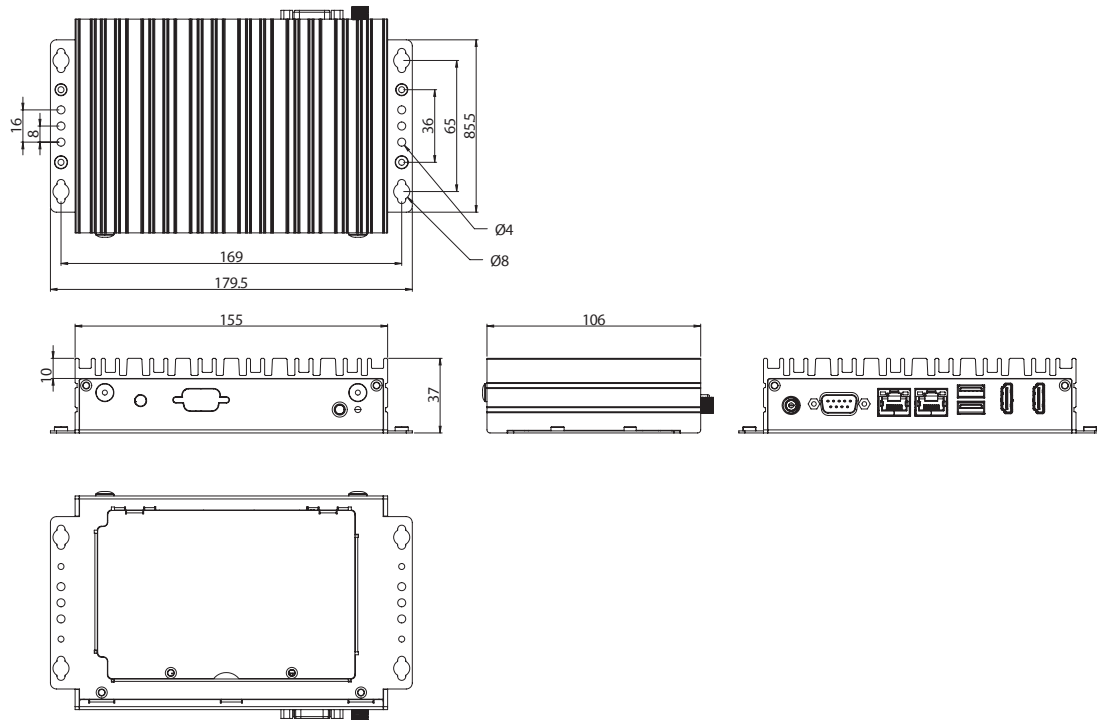
Power Supply

- 1 x External AC/DC 45W power adapter with lock
- AC 100V~240V input
- DC +19V output

Environment

- Operating temperature: -5°C~50°C
- Storage temperature: -20°C~80°C
- Relative humidity: 95% (non-condensing)

Dimension Drawing



Certifications

- CE (EMC EN 55032 + EN 55035)
- FCC Class A (EMI Part 15B)

Mechanical

- Dimensions: 179.5mm (W) x 106mm (D) x 37mm (H)
- Weight: 0.81kg

Package Information

- Dimensions: 288mm (W) x 242mm (D) x 185mm (H)
- Gross weight: 3.4kg (2 units per carton)

Operating System

- Windows 10, 64-bit
- Linux 4.1

Ordering Information

- **Neu-X100-N3350 (P/N: 10W10X10000X4)**
Intel® Celeron® processor N3350 slim and fanless system
- **Neu-X100-N4200 (P/N: 10W10X10001X4)**
Intel® Pentium® processor N4200 slim and fanless system
- **Neu-X100-J3455 (P/N: 10W10X10002X4)**
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)