



Main Features

- Intel® Celeron® processor J6412
- Support 3 x HDMI® 2.0 output
- Support DC 12V~24V input
- Compact and slim design (H: 38.8mm)
- 2 x DDR4, up to 32GB
- 1 x M.2 Key M 2280 for optional storage device
- 1 x M.2 Key B 3042/3052 for optional LTE or 5G modules
- 1 x Mini PCIe for optional Wi-Fi and LTE
- Fanless design

Product Overview

The NDiS B338 fanless embedded system is powered by an Intel® Celeron® processor and is capable of handling three independent display outputs. It supports up to three HDMI® 2.0 outputs, a USB 3.2 port, and an RS-232/422/485 interface. This makes it an ideal choice for optimizing information visualization, conveying brand messages, improving customer engagement, and increasing smart retail management efficiencies. Moreover, it can be utilized as a gateway for smart city applications. The NDiS B338 is a slim-type fanless embedded system with extended temperature durability, making it suitable for outdoor usage in locations such as QSR drive-through kiosks, information stands, bus stops, or digital transit information signs. It is also an excellent IoT device which is extensively used in surveillance and security applications, providing real-time monitoring, object detection, and facial recognition in areas such as airports, public spaces, and smart infrastructure.

Specifications

CPU Support

- Intel® Celeron® Processor J6412, 10W

Graphic

- Intel® UHD Graphics

Main Memory

- 2 x DDR4 3200 SO-DIMM, Non ECC, unbuffered, up to 32GB, 16GB per DIMM

I/O Interface-Front

- 1 x Power button with LED
- 4 x COM port
 - COM1 supports RS-232/422/485
 - COM2~COM4 supports RS-232
- 4 x Antenna hole

I/O Interface-Rear

- 3 x HDMI® 2.0
- 1 x 1GbE RJ45 port with LEDs
- 1 x 2.5GbE RJ45 port with LEDs
- 1 x USB 3.2
- 5 x USB 2.0

- 1 x Mic in
- 1 x Line out
- 1 x DC 12V~24V power input

Internal I/O

- 8 x GPIO (4 x GPI, 4 x GPO)
- TPM 2.0
- 1 x USB 2.0 pin header
- 1 x Speaker-out pin header with 2.5W/8Ω amplifier

Expansion

- 1 x M.2 Key B 3042/3052 (USB 3.2, USB 2.0) for optional LTE or 5G modules
- 1 x Mini PCIe slot (USB 2.0, PCIe x1, SATA) for optional Wi-Fi and LTE
- 1 x SIM slot

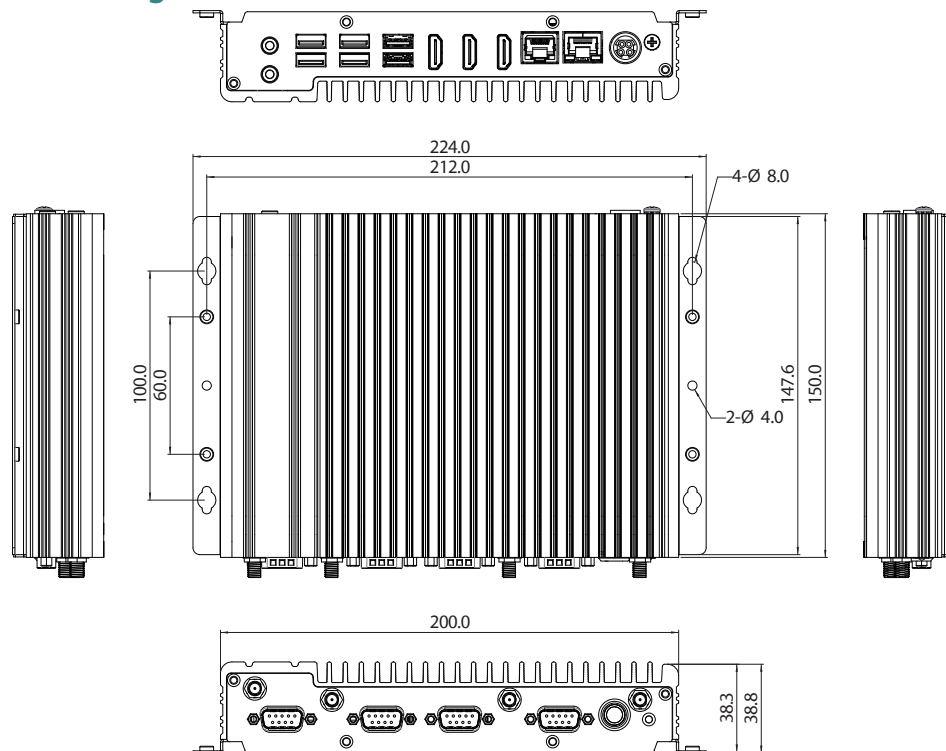
Storage

- 1 x M.2 Key M 2280 (PCIe 3.0 x4) for optional storage modules

Power Supply

- 1 x External 60W AC/DC power adapter
 - Input: AC 100V~240V
 - Output: DC +12V

Dimension Drawing



Environment

- Operating temperature: -20°C~60°C
- Storage temperature: -20°C~80°C
- Humidity: 10%~95% (non-condensing)

Dimensions

- 224mm (W) x 150mm (D) x 38.8mm (H) (w/ wall mount bracket)

Certifications

- CE (EN 55035 + EN 55032)
- FCC Class A (EMI Part 15B)
- LVD (EN62368-1)
- UL/CUL (62368-1)

Operating System

- Windows 10

Ordering Information

- **NDiS B338 (P/N: 10W00B33800X0)**

Intel® Celeron® Processor J6412 slim and fanless system