NDiS B338-LITE

Main Features

- Intel® Celeron® Processor J6412
- Support 2 x HDMI 2.0 output
- Support 12V DC input
- Compact and slim design (H: 39.8mm)
- 2 x DDR4 up to 32G

- 1 x M.2 2280 Key M for optional storage device
- 1 x M.2 3042/3052 Key B for optional LTE or 5G modules
- 1 x mini-PCIe for optional Wi-Fi and LTE
- Fanless design

Product Overview

The NDiS B338-LITE fanless embedded system is powered by an Intel® Celeron® processor and is capable of handling two independent display outputs. It supports up to 2 x HDMI 2.0 outputs, USB 3.0 ports, and an two RS232 interfaces. 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-LITE 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 260-pin SO-DIMM sockets, supports DDR4 3200MT/s MHz, non ECC, un-buffered memory up to 32G (single socket max. 16GB)

I/O Interface-Front
- Power button with LED
- 2 x COM port
  - COM1/COM2: RS232
- 4 x Antenna holes

I/O Interface-Rear
- 2 x HDMI 2.0
- 1 x RJ45 Gigabit LAN with LEDs
- 1 x USB 3.2
- 5 x USB 2.0
- 1 x Mic-in
- 1 x Line-out
- 12V DC input

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

Expansion
- 1 x M.2 3042/3052 Key B (USB 3.1, 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 2280 Key M (PCIe Gen3 x2 + SATA) for optional storage modules
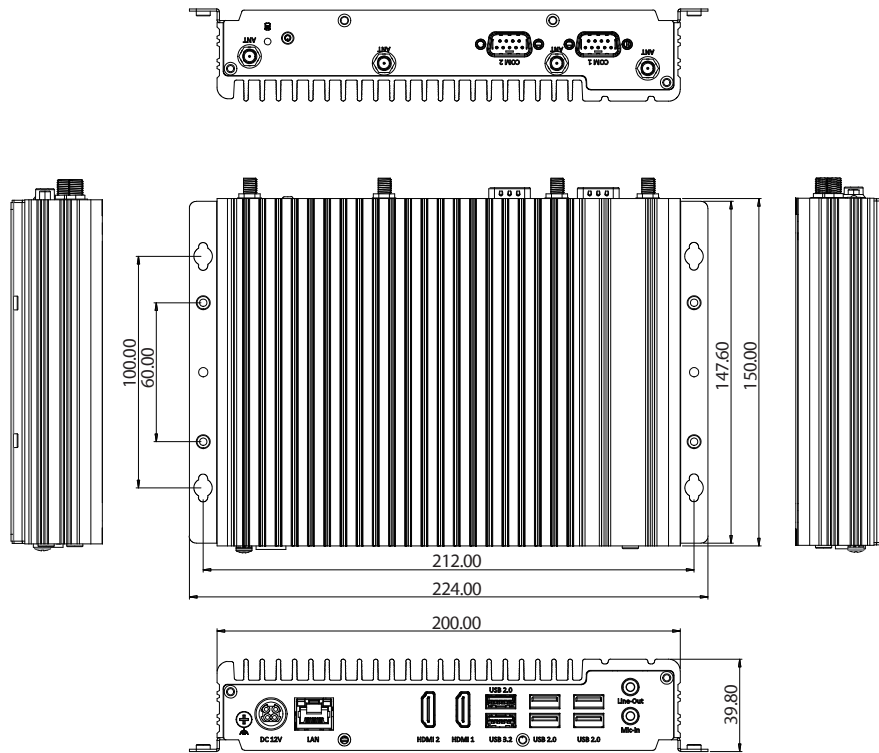
Power Supply
- 1 External 60W AC/DC power adapter
- Input: 100VAC to 240VAC
- Output: DC+12VDC

Environment
- Operating temperature: -20°C to 60°C with 0.7 air flow

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Dimension Drawing

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

Dimensions
- 224mm (W) x 150mm (D) x 39.8mm (H) (with wall mount bracket)

Certifications
- CE
- FCC Class A
- LVD

Operating System
- Win10/Win11
- Linux

Ordering Information

- **NDiS B338-LITE (P/N: 10W00B33802X0)**
  Intel® Celeron® Processor J6412 slim and fanless system

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We reserve the right to change specifications and product descriptions at any time without prior notice.

Box Player

Last update: 08/09/2023