NDiS B339

Slim Duro Edge Computer
Powered by Intel Atom® Processors x7000RE Series





Main Features

- Intel Atom® Processors x7000RE Series
- Dual HDMI® 1.4 outputs, up to 3840x2160@30Hz
- TPM 2.0 design for security
- Dual LAN ports and four USB 3.2 ports for easy connection
- Slim compact chassis and fanless design
- 1 x M.2 Key M 2242, supports PCIe x1 & SATA for storage
- 1 x DDR4 SO-DIMM, up to 32GB
- 1 x Half-size Mini PCIe slot, supports a Wi-Fi/BT/4G LTE module
- Support DC +12V~24V power input

Product Overview

Powered by Intel Atom® Processors x7000RE Series, the NDiS B339 Duro Edge computer is a fanless industrial system designed for edge computing applications in the smart retail sector, delivering reliable data collection across diverse environments. Equipped with a set of robust I/O interfaces, the NDiS B339 features dual COM ports, dual high-speed 2.5GbE LAN ports, four USB ports, and dual HDMI® 1.4 outputs, providing seamless connectivity and versatility. Built to thrive in demanding conditions, the NDiS B339 supports a wide temperature range -20°C to 60°C, making it suitable for semi-outdoor installations, such as QSR drive through kiosks, intelligent vending machines, information stands, bus stops, or digital transit information signs. Its fanless design ensures silent and reliable operation, while the inclusion of dual HDMI® outputs enhances display capabilities for multimedia applications.

Specifications

Processor

- Intel Atom® x7211RE processor (embedded), TDP 6W
- Intel Atom® x7213RE processor (embedded), TDP 9W
- Intel Atom® x7433RE, (embedded), TDP 9W

Integrated Graphics

- Intel® UHD Graphics

Memory

- 1 x DDR4 SO-DIMM, non-ECC, up to 32GB

I/O Interface Front

- 1 x Power button with LED
- 4 x USB 3.2 Gen 1x1, Type-A
- 2 x 2.5GbE RJ45 port, Intel® I226V
- 2 x HDMI® 1.4, up to 3840x2160@30Hz

I/O Interface Rear

- 1 x 3-pin Phoenix contact DC +12~24V power input
- 2 x COM port
  - COM1 supports RS-232/422/485
  - COM2 supports RS-232
- 3 x Antenna hole

I/O Interface Internal

- 2 x 6-pin header for 3 x USB 2.0 port
- 1 x 10-pin header for GPIO, 4 x GPI, 4 x GPO
- 1 x 4-pin header for 2W/4Ω speaker out
- 1 x 9-pin header for mic in and line out
- 1 x 2-pin header for reset
- 1 x 7-pin SATA connector, 1 x 2-pin SATA power connector

Storage

- 1 x M.2 Key M 2242 NVMe SSD (PCIe 3.0 x1, SATA 3.0)

Expansion Slot

- 1 x Half-size Mini PCIe slot
  - Support a Wi-Fi/BT/4G LTE module

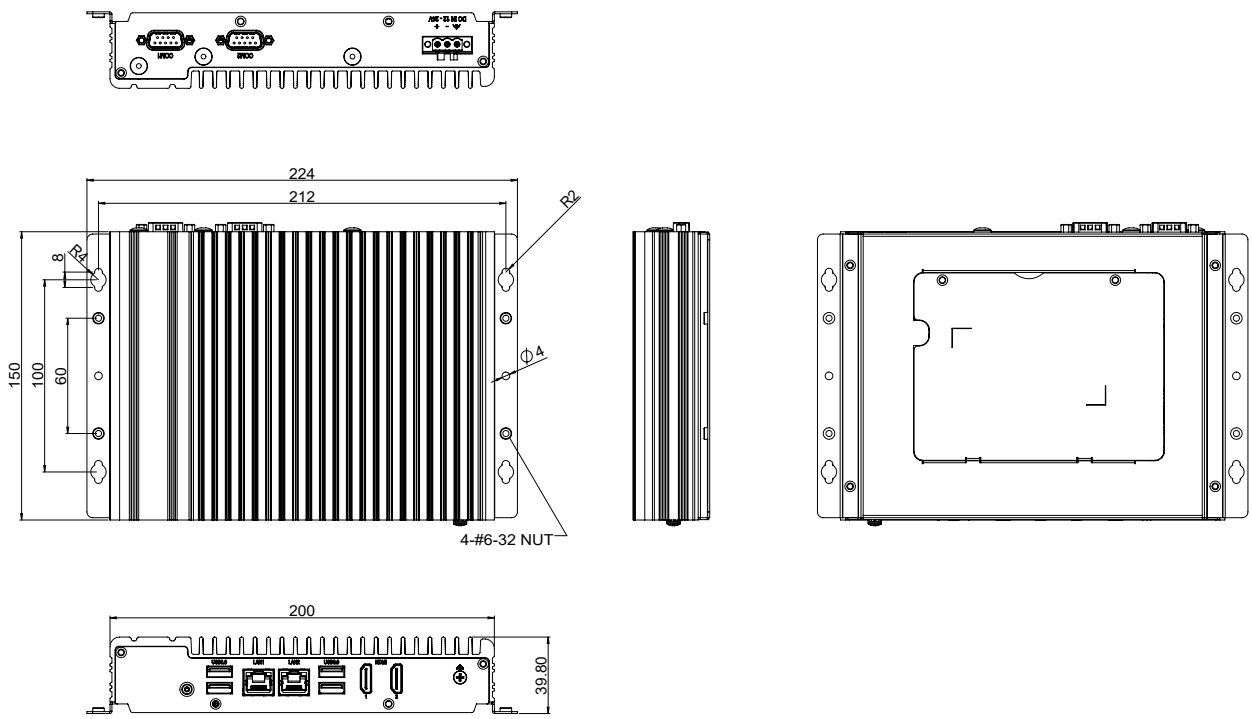
Power Supply

- DC +12V~24V power input, AC/DC power adapter not included in accessory

Mechanical

- Dimensions: 224mm (W) x 150mm (D) x 39.8mm (H) (w/ mount bracket)
- Net weight: 1.4 kg

Dimension Drawing



Package Information

- Dimensions: 491mm (W) x 357mm (D) x 302 mm (H)
- Gross weight: 10kg (5 units per carton)

Environment

- Temperature:
  - Ambient with air flow: -20°C~60°C
  - Storage temperature: -20°C~80°C
- Relative humidity: 0%~90% (non-condensing)
- Shock protection: 20g peak acceleration, 11ms according to IEC 60068-2-27
- Vibration protection
  - Random: 2.2Grms@5Hz~500Hz, 0.5hr/axis (non-operating), IEC 60068-2-64
  - Sinusoidal: 2Grms@5Hz~500Hz, 1hr/axis, IEC 60068-2-6

Operating System

- Windows 11
- Windows 10, 64 bit
- Linux

Certifications

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

Ordering Information

- **NDiS B339 (P/N: 10W00B33900X0)**

  Slim & Fanless Duro Edge computer powered by Intel Atom® x7213RE processor

- **NDiS B339-X7211 (P/N: 10W00B33901X0)**

  Slim & Fanless Duro Edge computer powered by Intel Atom® x7211RE processor

- **NDiS B339-X7433 (P/N: 10W00B33902X0)**

  Slim & Fanless Duro Edge computer powered by Intel Atom® x7433RE processor

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