NDiS B363

Duro Edge Computer
Powered by Intel® Core™ Ultra Processor (Series 2)





Main Features

- Intel® Core™ Ultra processor (Series 2)
- Support Intel® AMT technology
- 2 x DDR5 5600 SO-DIMM, up to 96GB
- 2 x HDMI® 2.0, up to 4096x2160@60Hz
- 2 x Intel® LAN port
- 1 x USB 3.2 Gen 1x1, 3 x USB 2.0
- TPM 2.0 for security
- 1 x M.2 Key B 3052/3042 for an optional 5G/LTE module
- 1 x M.2 Key E 2230 for an optional Wi-Fi module
- 1 x M.2 Key M 2280 for an optional SSD
- Support DC 12V~24V power input

Product Overview

The NDiS B363 Duro Edge computer harnesses the power of Intel® Core™ Ultra 7/5 processor, featuring an integrated NPU for AI inference. This advanced architecture optimizes workloads across the CPU, GPU, and NPU, enabling up to 22.5 TOPS of AI computing power with exceptional energy efficiency.

Dual HDMI® 2.0 ports deliver exceptional visuals, and a variety of I/O interfaces support a wide range of AI applications. Designed to operate in extreme temperatures from -20°C to 60°C, the NDiS B363 is ideal for semi-outdoor applications such as self-service kiosks, recycling machines, and intelligent parking systems.

Specifications

Processor

- Intel® Core™ Ultra 7 processor 265U, PBP 15W
- Intel® Core™ Ultra 7 processor 255U, PBP 15W
- Intel® Core™ Ultra 5 processor 235U, PBP 15W
- Intel® Core™ Ultra 5 processor 225U, PBP 15W

* Only 265U/235U supports Intel® AMT

Main Memory

- 2 x DDR5 5600 SO-DIMM, non-ECC, unbuffered, up to 96GB

Integrated Graphics

- Intel® Graphics

Display Interface

- 2 x HDMI® 2.0, up to 4096x2160@60Hz

Storage

- 1 x M.2 Key M 2280 SSD (PCIe 3.0 x4, SATA 3.0)

Expansion Slot

- 1 x M.2 Key E 2230 (PCIe 3.0 x1, USB 2.0)
  - Support a Wi-Fi module
- 1 x M.2 Key B 3052/3042 (PCIe 3.0 x1, USB 3.0, USB 2.0)
  - Support a 5G/LTE module

I/O Interface Front

- 1 x Line out
- 2 x COM port, supports RS-232/422/485
- 3 x Antenna hole

I/O Interface Rear

- 1 x Power button with LED
- 2 x HDMI® 2.0, up to 4096x2160@60Hz
- 1 x 2.5GbE RJ45 port, Intel® I226
- 1 x GbE RJ45 port, Intel® I219
- 1 x USB 3.2 Gen 1x1, Type-A
- 3 x USB 2.0
- DC +12V~24V power input

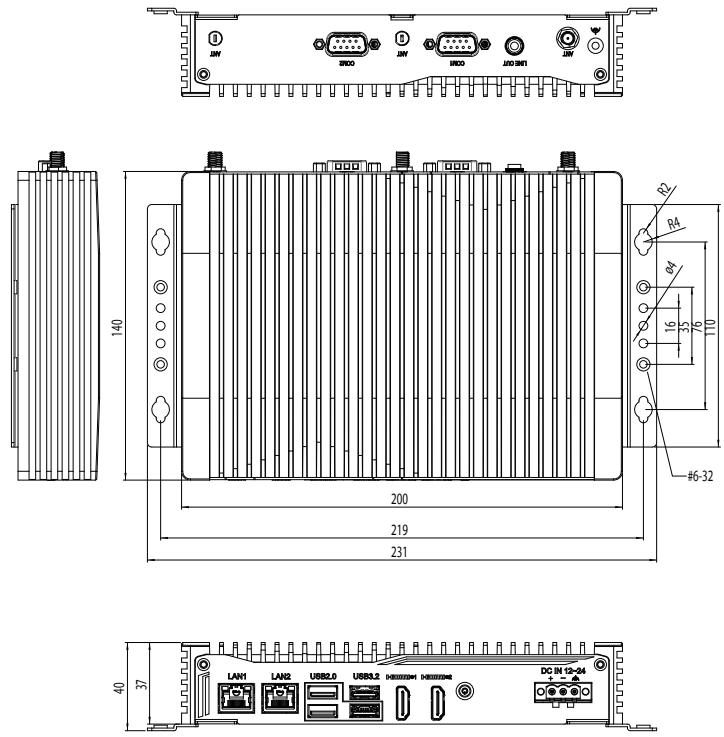
I/O Interface Internal

- 2 x 6-pin header for 4 x USB 2.0 port
- 4 x 9-pin header for COM port, supports RS-232 (reserved)
- 1 x 10-pin header for GPIO, 4 x DI, 4 x DO
- 1 x 4-pin header for 2W/4Ω speaker out
- 1 x 9-pin header, supports mic in and line out
- 1 x 2-pin header for reset

Mechanical

- Dimensions: 200mm (W) x 140mm (D) x 37mm (H) w/o bracket
- Net Weight: 1.26kg

Dimension Drawing



Package Information

- Dimensions: 300mm (W) x 270mm (D) x 205mm (H)
- Gross weight: 2.54 kg (1 unit per carton)

Power Supply

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

Environment

- Operating temperature
  - Ambient with air flow: -20°C~55°C (Intel® Core™ Ultra 7 processor 265U & 255U)
  - Ambient with air flow: -20°C~60°C (Intel® Core™ Ultra 5 processor 235U & 225U)
- Storage temperature: -20°C~80°C
- Relative humidity: 0%~90% (non-condensing)
- 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

Operating System

- Windows 11
- Windows 10, 64bit
- Linux

Certifications

- CE (EN 50035 + EN 50032)
- FCC Class A (Part 15B)
- LVD (EN 62368-1)

Ordering Information

- **NDiS B363-265U (P/N: 10W00B36303X0)**
  Fanless Duro Edge computer, Intel® Core™ Ultra 7 processor 265U
- **NDiS B363-255U (P/N: 10W00B36302X0)**
  Fanless Duro Edge computer, Intel® Core™ Ultra 7 processor 255U
- **NDiS B363-235U (P/N: 10W00B36301X0)**
  Fanless Duro Edge computer, Intel® Core™ Ultra 5 processor 235U
- **NDiS B363-225U (P/N: 10W00B36300X0)**
  Fanless Duro Edge computer, Intel® Core™ Ultra 5 processor 225U

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