NDiS B364

Duro Edge Computer
Powered by Intel® Core™ Processor (Series 3)





Main Features

- Intel® Core™ processor (Series 3)
- Support Intel® ISM technology
- 1 x DDR5 6400 SO-DIMM, up to 64GB
- 2 x HDMI® 1.4, up to 4096x2160@30Hz
- 3 x Intel® LAN port
- 2 x USB 3.2, 2 x USB 2.0
- TPM 2.0 for security
- 1 x M.2 Key B 3052 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 2242 for an optional SSD
- Support DC 12V~24V power input

Product Overview

The NDiS B364 Duro Edge computer, powered by Intel® Core™ 7/5/3 processor with an integrated NPU for AI inference, offers optimized workloads across CPU, GPU, and NPU, resulting in up to 41 TOPS of AI computing power while maintaining energy efficiency. Dual HDMI® 1.4 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 B364 features proper AI computing power and dual USB 3.2 I/O ports tailored for AMR deployments, making it ideal for stock house management and other applications.

Specifications

Processor

- Intel® Core™ 7 processor 350, PBP 15W
- Intel® Core™ 5 processor 320, PBP 15W
- Intel® Core™ 3 processor 304, PBP 15W

* Listed above support Intel® ISM technology

Memory

- 1 x DDR5 6400 SO-DIMM, non-ECC, unbuffered, up to 64GB

Integrated Graphics

- Intel® Graphics

Display Interface

- 2 x HDMI® 1.4, up to 4096x2160@30Hz

Storage

- 1 x M.2 Key M 2242 SSD (PCIe 4.0 x1)

Expansion Slot

- 1 x M.2 Key E 2230 (PCIe 4.0 x1, USB 2.0)
  - Support a Wi-Fi module
- 1 x M.2 Key B 3052 (PCIe 4.0 x1, USB 3.2)
  - Support a 5G/LTE module

I/O Interface Front

- 1 x Audio out (default: line out, speaker out is optional)
- 1 x Mic in
- 1 x Power button with LED
- 1 x Remote switch for extended power cable
- 2 x COM port, supports RS-232/422/485
- 3 x Antenna hole

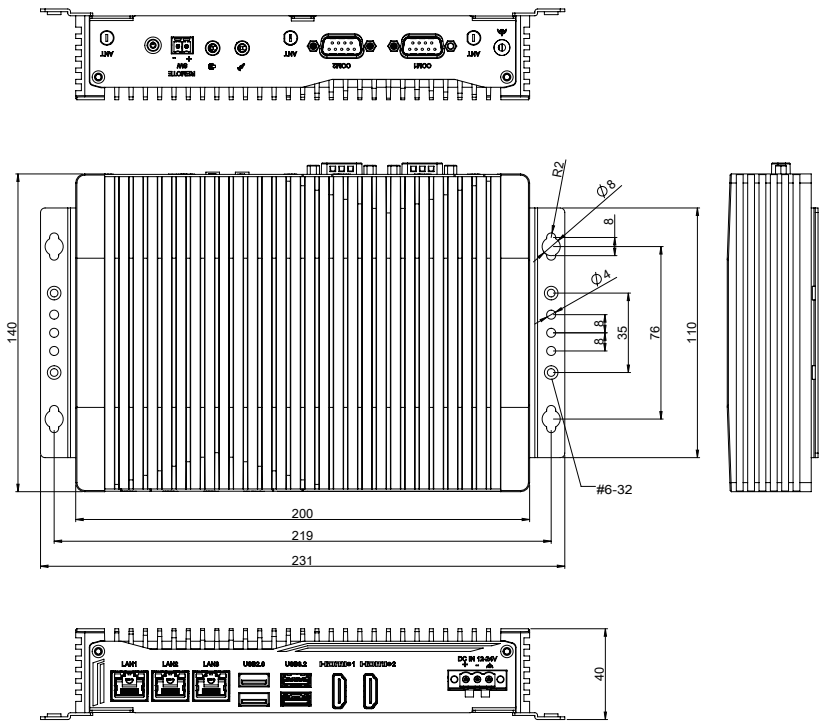
I/O Interface Rear

- 2 x HDMI® 1.4, up to 4096x2160@30Hz
- 2 x 2.5GbE RJ45 port, Intel® I226-V
- 1 x 1GbE RJ45 port, Intel® I219-LM
- 2 x USB 3.2 Gen 1x1, Type-A
- 2 x USB 2.0
- DC +12V~24V power input

I/O Interface Internal

- 1 x 6-pin header for USB 2.0 port
- 1 x 10-pin header for GPIO, 4 x DI, 4 x DO
- 1 x 9-pin header for 10W/8Ω speaker out
- 1 x 9-pin header for mic in and line out
- 1 x 2-pin header for reset

Dimension Drawing



Mechanical
- Dimensions: 231mm (W) x 140mm (D) x 40mm (H) w bracket
- Net Weight: 1.5kg

Package Information
- Dimensions: 300mm (W) x 270mm (D) x 205mm (H)
- Gross weight: 2.78 kg (1 unit per carton)

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

Environment
- Temperature
  - Ambient with air flow: -20°C~60°C
  - 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
- Linux

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

Ordering Information

- **NDiS B364-350 (P/N: 10W90E30100X0)**
  Fanless Duro Edge computer, Intel® Core™ 7 processor 350
- **NDiS B364-320 (P/N: 10W90E30101X0)**
  Fanless Duro Edge computer, Intel® Core™ 5 processor 320
- **NDiS B364-304 (P/N: 10W90E30102X0)**
  Fanless Duro Edge computer, Intel® Core™ 3 processor 304

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