



Main Features

- Intel® Core™ Ultra U Processor Series
- Support Intel® AMT technology
- 2 x DDR5 SO-DIMM, up to 96GB
- 2 x HDMI® 2.0 output, up to 4096x2160@60Hz
- 2 x Intel® LAN port
- 1 x USB 3.2 Gen 1x1, and 3 x USB 2.0
- TPM 2.0 on board for security
- 1 x M.2 Key B 3052/2242 for optional 5G/LTE module
- 1 x M.2 Key E 2230 for optional Wi-Fi module
- 1 x M.2 Key M 2280 for optional SSD
- Support +12V DC power input

Product Overview

In 2024, digital transformation continues to advance. The NDiS B362 Visual Edge Computer, powered by Intel® Core™ Ultra 7 and 5 processors with an integrated NPU for AI inference, offers optimized workloads across CPU, GPU, and NPU, resulting in up to 22.4 TOPS of AI computing power while maintaining 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 0°C to 60°C, the NDiS B362 is ideal for semi-outdoor applications such as self-service kiosks, smart beverage stations, smart recycling machines, and intelligent parking systems.

Specifications

System

- Intel® Core™ Ultra 7, Meteor Lake 165U, 12-core/4.9GHz
- Intel® Core™ Ultra 7, Meteor Lake 155U, 12-core/4.8GHz
- Intel® Core™ Ultra 5, Meteor Lake 135U, 12-core/4.4GHz
- Intel® Core™ Ultra 5, Meteor Lake 125U, 12-core/4.3GHz
- Only 165U/135U support Intel® AMT

Main Memory

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

Graphic & Display

- Intel® Graphics
- 2 x HDMI® 2.0, up to 4096x2160@60Hz

Storage device

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

Expansion

- 1 x M.2 Key E 2230 for optional Wi-Fi module
- 1 x M.2 Key B 3052/2242 for optional 5G/LTE module (PCIe 3.0 x1, USB 3.0, USB 2.0)

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
- +12V DC In

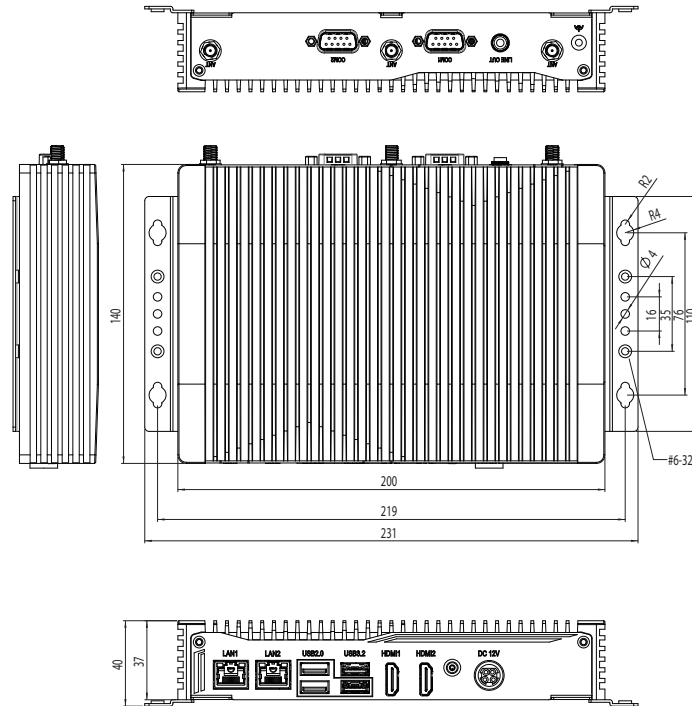
I/O Interface-Front

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

I/O Interface-Internal

- 2 x 6-pin header for 4 x USB 2.0 port
- 4 x 9-pin header for COM port 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

Dimension Drawing



Mechanical & Dimension

- ♦ System Unit
 - Dimension: 200mm (W) x 140mm (D) x 37mm (H) w/o bracket
 - Net weight: 1.26 kg/Unit
- ♦ Package Carton
 - Dimension: 300mm (W) x 270mm (D) x 205mm (H)
 - Gross weight : 2.54 kg (1 unit / per carton)

Power Supply

- ♦ Nominal Voltage: +12V DC
- ♦ +12V, 96W AC/DC power adapter in carton

Environment

- ♦ Operating temperature
 - Ambient with air flow: 0°C~55°C (Core Ultra 7-165U & 155U)
 - Ambient with air flow: 0°C~60°C (Core Ultra 5-135U & 125U)
 - Storage temperature: -20°C~80°C
- ♦ Relative humidity: 0%~90% (non-condensing)
- ♦ Shock protection: 50G peak acceleration, 11ms according to IEC60068-2-27
- ♦ Vibration protection
 - Random: 2Grms@5~500Hz, IEC 60068-2-64
 - Sinusoidal: 2G@5~500Hz, IEC 60068-2-6

Operating System

- ♦ Windows 11
- ♦ Windows 10, 64bit
- ♦ Linux

Certifications

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

Ordering Information

- ♦ **NDiS B362-125U (P/N:10W00B36204X0)**
Fanless Visual Edge Computer, Intel® Core™ Ultra 5 Processor 125U
- ♦ **NDiS B362-165U (P/N:10W00B36202X0)**
Fanless Visual Edge Computer, Intel® Core™ Ultra 7 Processor 165U
- ♦ **NDiS B362-155U (P/N:10W00B36200X0)**
Fanless Visual Edge Computer, Intel® Core™ Ultra 7 Processor 155U
- ♦ **NDiS B362-135U (P/N:10W00B36203X0)**
Fanless Visual Edge Computer, Intel® Core™ Ultra 5 Processor 135U