NDiS B562-Q Series

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



NDiS B562-Q



NDiS B562-Q with optional dock (NDiS B562-Q-2S)



NDiS B562-Q with optional dock (NDiS B562-Q-2R8)

Main Features

- Intel® Core™ processor (Series 2)/ 14/13/12th Gen Intel® Core™ i processor
- Support Intel® AMT technology
- 2 x DDR5 SO-DIMM, up to 96GB
- 1 x HDMI® 2.0 output, up to 4096x2160@60Hz
- 3 x Intel® LAN port
- 3 x USB 3.2 Gen 1x1, 2 x USB 2.0, 2 x DP 1.2
- Support PCIe 4.0 2x8 expansion card/2 x 2.5" SSD swap bay (w/ optional dock)
- 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 2280 for an optional SSD
- TPM 2.0 for security
- Support DC +12V~24V power input

Product Overview

The NDiS B562-Q is compatible with Intel® Core™ processor (Series 2) and 14/13/12th Gen Intel® Core™ i processor. When connected to the DockInfinity, it creates two half-height card spaces that can accommodate both graphics cards and other PCIe expansion cards to enhance functionality of system. Furthermore, the unit supports RAID 0 and RAID 1 configurations, which can be achieved by installing two 2.5-inch SATA SSDs.

The device features a wide-range 12V to 24V power input, ensuring stable operation even in environments with unstable power supply. This versatility makes it ideal for a variety of applications, including the self-service industry and smart parking systems. With three USB 3.2 ports and two COM ports (supporting RS-232/422/485), the NDiS B562-Q connects effortlessly to peripherals like AI cameras and sensors. For multi-display setups, the external I/O includes one HDMI® 2.0 port and two DisplayPort 1.2 ports, with support for additional displays via an external graphics card. Zero waste upgrade, no parts will be used up or thrown away during the expansion kit installation.

Specifications

Processor

- Intel® Core™ processor (Series 2)
  - Intel® Core™ 7 processor 251TE, TDP 45W
  - Intel® Core™ 5 processor 221TE, TDP 45W
  - Intel® Core™ 5 processor 211TE, TDP 45W
  - Intel® Core™ 3 processor 201TE, TDP 45W
- 14th Gen Intel® Core™ i processor
  - Intel® Core™ i9 processor 14900T, PBP 35W
  - Intel® Core™ i7 processor 14700T, PBP 35W
  - Intel® Core™ i5 processor 14500T, PBP 35W
  - Intel® Core™ i3 processor 14100T, PBP 35W

Chipset

- Intel® PCH Q670E

Memory

- 2 x DDR5 5200 SO-DIMM, non-ECC, unbuffered, up to 96GB

Integrated Graphics

- Intel® UHD Graphics

Display Interface

- 1 x HDMI® 2.0, up to 4096x2160@60Hz
- 2 x DP 1.2, up to 4096x2160@60Hz

Storage

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

Expansion Slot

- 1 x M.2 Key E 2230 for an optional Wi-Fi module (PCIe 3.0 x1, USB 2.0)
- 1 x M.2 Key B 3052 for an optional 5G/LTE module (PCIe 3.0 x1, USB 3.2)
- 1 x SIM slot
- PCIe expansion card support for NDiS B562-Q-2R8:
  - Maximum card dimensions: 167.65mm (half-length) x 111.15mm (full-height)
  - Support up to two PCIe 3.0 x8 expansion cards for additional USB, LAN, HDMI®, and I/O connectivity

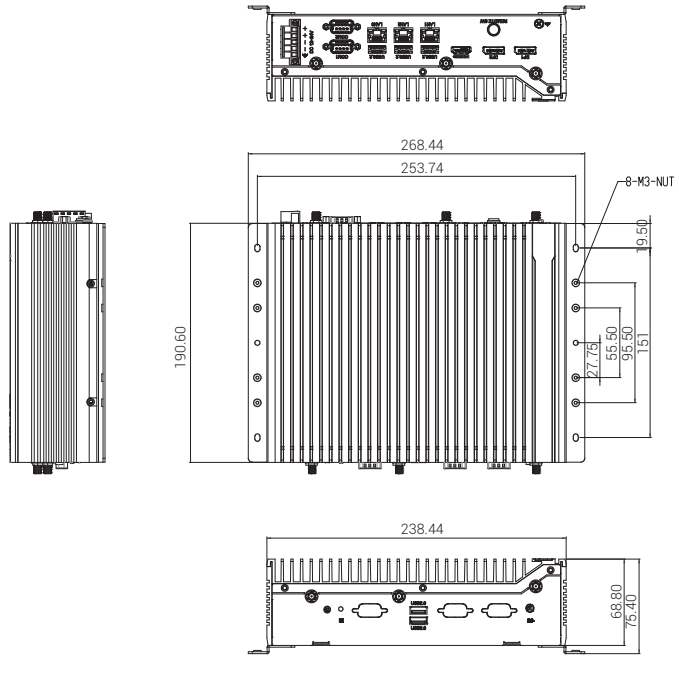
I/O Interface Front

- 1 x Power button with LED
- 1 x HDD LED
- 2 x USB 2.0
- 1 x Line out
- 3 x Antenna hole

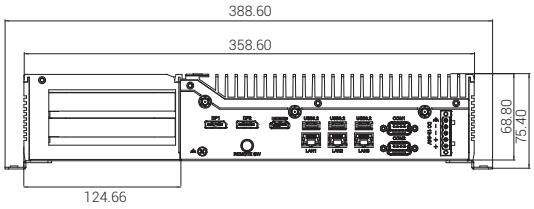
I/O Interface Rear

- 3 x USB 3.2 Gen 1x1, Type-A
- 1 x 1GbE RJ45 port, Intel® I219-LM (LAN 1)
- 2 x 2.5GbE RJ45 port, Intel® I226-IT (LAN 2 and LAN 3)
- 1 x HDMI® 2.0 output, up to 4096x2160@60Hz
- 2 x DP 1.2 output, up to 4096x2160@60Hz
- 2 x COM port, supports RS-232/422/485

Dimension Drawing



NDiS B562-Q



NDiS B562-Q-2R8

- 1 x 5-pin terminal block for power input
- 3 x Antenna hole

I/O Interface Internal

- 2 x 6-pin header for four USB 2.0 ports
- 1 x 4-pin header for speaker out, amplifier 2.5W/4Ω
- 1 x 9-pin header for mic in
- 4 x COM port (COM3~COM6, RS-232, reserved)
- 2 x SATA 3.0 connector, 2 x SATA 3.0 power connector
- 8 x GPIO
  - 4 x DI, 4 x DO

Environment

- Operating temperature: -20°C~60°C
- Operating temperature w/ graphics card: 0°C~45°C
- Storage temperature: -20°C~80°C
- Humidity: 10%~95% (non-condensing)

System Capabilities

- TPM 2.0

Mechanical

- Dimensions:
  - NDiS B562-Q: 268mm (W) x 190.6mm (D) x 75.4mm (H) (w/ bracket)
  - NDiS B562-Q w/ DockInfinity: 388.3mm (W) x 190.6mm (D) x 75.4mm (H) (w/ bracket)
- Weight:
  - NDiS B562-Q: 3kg
  - NDiS B562-Q w/ DockInfinity-2R8: 3.73kg
  - NDiS B562-Q w/ DockInfinity-2S: 4.05kg

Package Information

- Dimensions: 476mm (W) x 355mm (D) x 206mm (H)
- Gross weight (1 unit per carton):
  - NDiS B562-Q: 4.01kg
  - NDiS B562-Q w/ DockInfinity-2R8: 4.79kg
  - NDiS B562-Q w/ DockInfinity-2S: 5.11kg

Power Supply

- Nominal voltage: DC +12V~24V
- Power consumption:
  - NDiS B562-Q: max load 120W (w/o add-on card)
  - NDiS B562-Q-2R8: max load 180W (w/ dual PCIe x8 cards)
  - NDiS B562-Q-2S: max load 180W (w/ dual SATA SSDs)
- Power adapter is not included in accessory

Certifications

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

Operating System

- Windows 11
- Windows 10, 64bit
- Linux

Ordering Information

- **NDiS B562-Q (P/N: 10W00B56203X0)**

  Duro Edge computer, Intel® Core™ processor (Series 2)/Intel® Core™ i processor, Intel® PCH Q670E, 1 x HDMI® 2.0, 2 x DP 1.2

- **NDiS B562-Q-2R8 (P/N: 10W00B56201X0)**

  Duro Edge computer, Intel® Core™ processor (Series 2)/Intel® Core™ i processor, Intel® PCH Q670E, 1 x HDMI® 2.0, 2 x DP 1.2, w/ dual PCIe x8 expansion kit (DockInfinity-2R8)

- **NDiS B562-Q-2S (P/N: 10W00B56205X0)**

  Duro Edge computer, Intel® Core™ processor (Series 2)/Intel® Core™ i processor, Intel® PCH Q670E, 1 x HDMI® 2.0, 2 x DP 1.2, w/ dual SSD bay kit (DockInfinity-2S)

- **DockInfinity-2R8 (P/N: 10W00DOCK02X0)**

  Dual PCIe x8 expansion kit for Duro Edge computer

- **DockInfinity-2S (P/N: 10W00DOCK03X0)**

  Dual SSD bay kit for Duro Edge computer

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