NDiS B561S

Visual Edge Computer
Powered by 12th Gen Intel® Core™ Processor

Main Features

- Support 12th Gen Intel® Core™ i7/i5/i3 socket type processor
- Intel® PCH H610E
- Intel® integrated UHD graphic engine
- Support 2 independent 4K@60Hz display output
- Operating temperature: 0~50℃

- 2 x HDMI 2.0
- 2 x USB 3.2, 4 x USB 2.0
- 1 x RS-232/422/485, 3 x RS232
- 1 x GbE LAN, 1 x 2.5G GbE LAN
- 3 x M.2 socket Key B/E/M

Product Overview

Powered by the 12th Gen Intel® Core™ processor series and Intel® 600 series chipset integrated graphics controller, the NDiS B561S fanless visual edge computer can handle powerful multimedia content. With two 4K2K independent display output and rich connectivities including 6 x USB, 2 x LAN ports, Wi-Fi 6E and 4G, 5G support, the NDiS B561S can fully satisfy customer's expectation and therefore be used in both in-door and various applications such as self-service KIOSK, vending machine, hospitality, public transportation information system, ticketing machine, gateway, healthcare machine and AI at access management quipment.

Specifications

CPU Support
- 12th Gen Intel® Core™ i7/i5/i3 LGA socket type processor, up to 35W
  - Intel® Core™ i7-12700TE, 12 Core, 1.4GHz, 25M Cache
  - Intel® Core™ i5-12500TE, 6 Core, 1.9GHz, 18M Cache
  - Intel® Core™ i3-12100TE, 4 Core, 2.1GHz, 12M Cache

Chipset
- Intel® PCH H610E

Graphics
- Intel® UHD graphics 770 series

Main Memory
- 2 x 262-pin SO-DIMM sockets, support DDR5 4800 MHz non-ECC, un-buffered memory up to 64G (single socket max. 32GB)

I/O Interface-Front
- 1 x Power button
- 1 x Power LED, 1 x HDD LED
- 1 x Reset switch
- 2 x USB 2.0
- 4 x DB9 for COM1~ COM4
  - COM1: RS-232/422/485
  - COM2~4: RS232
- 2 x Antenna hole

I/O Interface-Rear
- +12V DC-in
- 2 x HDMI 2.0 support 4K@60Hz
- 2 x USB 3.2, 2 x USB 2.0
- 1 x Intel® I219-LM GbE LAN port
- 1 x Intel® I226V 2.5G Ethernet LAN port
- 1 x SIM slot*
  - * NOTE:
    NDiS B561 Series is designed with 2x SIM slots. Dual SIM functionality depends on whether the LTE module specification. For example, when using QUECTEL EM06-Emodule, only one SIM card functions either through back-panel slot or internal slot.
- 2 x Antenna hole

I/O Interface-Internal
- 8CH GPIO support 4 x GPO and 4 x GPI
- Onboard TPM 2.0

Storage
- 1 x M.2 2280 Key M (PCIe x4) socket (Top side)
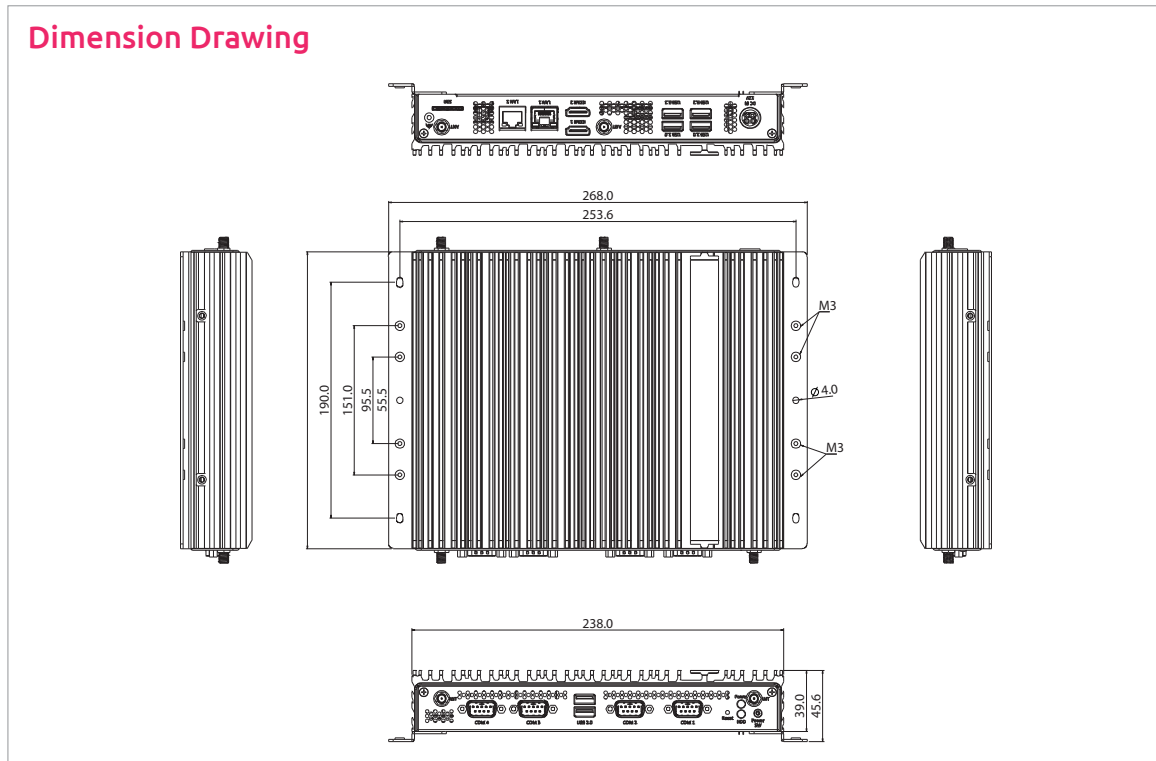- 1 x M.2 2280 Key M (SATA) socket (Back side)

Environment
- Operating temperature: 0℃ to 50℃ with 0.7 m/s air flow
- Storage temperature: -20℃ to 80℃
- Humidity: 10 to 95% (non-condensing)

Box Player

NEXCOM

www.nexcom.com

Dimension Drawing

Expansion
- 1 x M.2 2230 Key E (PCIe x2, USB), support optional Wi-Fi modules
- 1 x M.2 3042/3052 Key B (PCIe x1, USB 3.2), support optional 3G, 4G or 5G modules
- 1 x SIM slot*

  * NOTE:

  NDiS B561 Series is designed with 2x SIM slots. Dual SIM functionality depends on whether the LTE module specification. For example, when using QUECTEL EM06-Emodule, only one SIM card functions either through back-panel slot or internal slot.

Power Supply
- 1 x External 120W AC/DC power adapter
- Input: 100VAC to 240VAC
- DC Output: +12 VDC

Package Information
- 1 pc/carton
- G.W: 3.9kgs
- Dimension: 420 x 275 x 127mm

Certification
- CE Approval (EN55032/55035)
- FCC Class A (Part 15B)

Dimensions
- 238mm (W) x 190mm (D) x 39mm (H) w/o bracket

Operating System Support
- Win11/10/Linux

Ordering Information
- **NDiS B561S (P/N: 10W00B56100X0)**
  12th Gen Intel® Core™ processor (up to 35W) fanless system, Intel® H610E chipset

Last update: 01/23/2024

Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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