



## 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°C
- ♦ 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, 2 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 equipment.

## 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

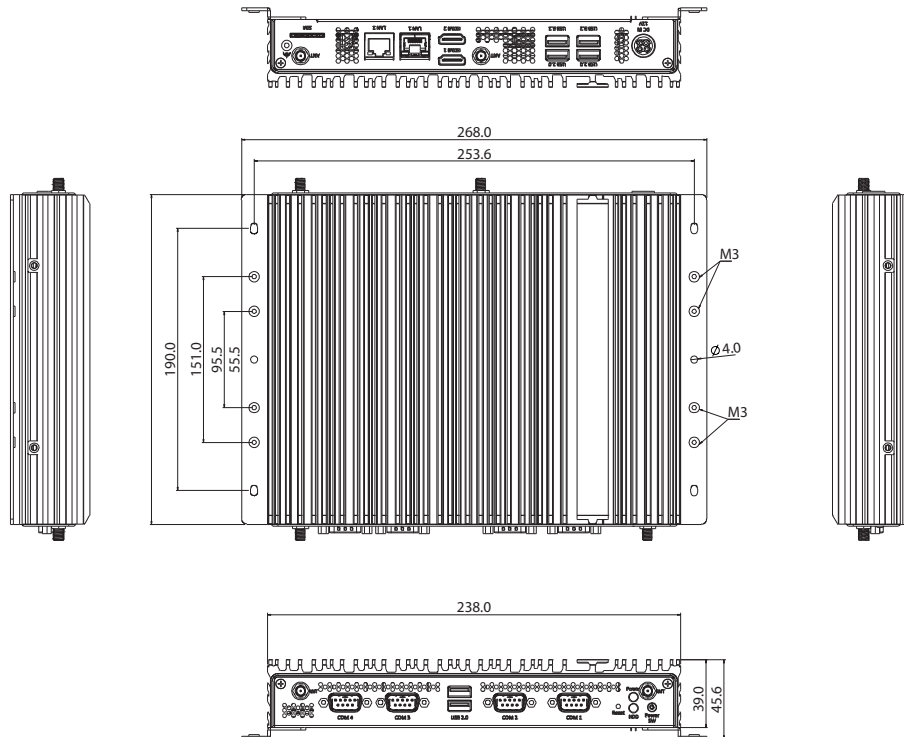
### Storage

- ♦ 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°C to 50°C with 0.7 m/s air flow
- ♦ Storage temperature: -20°C to 80°C
- ♦ Humidity: 10 to 95% (non-condensing)

## 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