# NISE 3600CE





### **Main Features**

- Intel® H310C PCH
- Support 1 x 2.5" SATA HDD / SSD
- 1 x VGA, 1 x HDMI® and 2 x display port with independent display support
- Dual Intel® GbE LAN ports; support WoL, teaming and PXE
- 4 x USB 3.2. 2 x USB 2.0. 5 x RS-232 and 1 x RS-232/422/485
- 2 x Internal Mini PCle socket support optional Wi-Fi or 4G module
- 1 x External M.2 3042 Key B & 2 x mSATA
- · 1 x SIM card socket
- Support +12V to 30V DC input; supports ATX power mode
- · One PCle x4 expansion
- Support Windows 11/10/7

## **Product Overview**

Integrated with 9/8/7/6th Gen Intel® Core™ i7/i5/i3 and H310C PCH platform, NISE series evolve to a new generation called NISE 3600C series. It is not only sustained its good reputation on quality and user friendly features, but also innovated its mechanical design.

## **Specifications**

## **CPU Support**

• Support 9/8/7/6th Gen Intel® Core™ i7/i5/i3 socket type processor

#### Main Memory

2 x DDR4 2133/2400/2666 SO-DIMM, supports up to 32GB

#### **Display Option**

- · Dual independent display
  - VGA and HDMI®
  - Display port and VGA
  - Display port and HDMI®
  - Display port and display port

#### I/O Interface-Front

- ATX power on/off switch
- HDD access/power status LEDs
- 2 x USB 3.2 port
- 2 x Display port (can be converted to DVI-D or HDMI via active cables)
- 4 x Antenna hole
- 1 x External M.2 3042 Key B (PCIe x1, USB 2.0)
- 1 x SIM card socket (for mini card 2)

#### I/O Interface-Rear

- 1 x DB44 serial port for 4 x COM port
  - COM1/3/4 (RS-232)
  - COM2 (RS-232/422/485)
- 2 x DB9 for COM5 (RS-232) & COM6 (RS-232)
- 2 x USB 3.2 port (900mA per port)
- 2 x USB 2.0 port (500mA per port)
- 1 x VGA port
- 1 x HDMl port
- 2 x Intel® I210-AT GbE LAN ports; supports WoL, teaming and PXE
- 1 x MIC-in and 1 x Line-out
- 1 x 4-pin remote power on/off switch
- +12V to 30V DC input

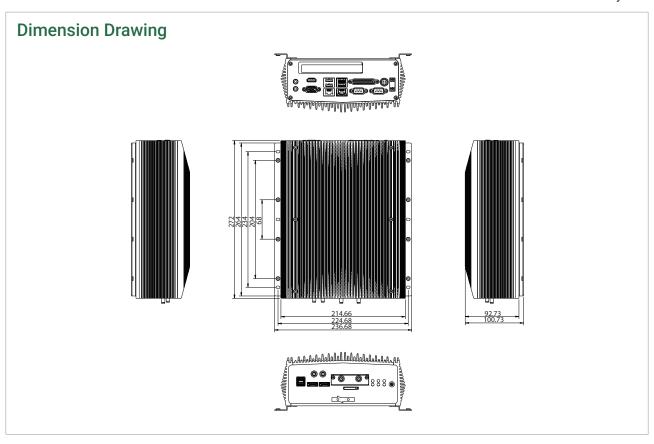
#### Storage Device

- 1 x 2.5" HDD/SSD
- 1 x M.2 3042 Key B
- 2 x mSATA, supports mPCle NVRAM module

#### **Expansion Slot**

- One PCle x4 expansion slot
  - Add-on card length: 169mm max.
  - Power consumption: 10W/slot max
- 1 x Internal mini-PCle socket support optional Wi-Fi/4G LTE





#### **Power Requirements**

- AT/ATX power mode (default: ATX power mode)
- Power input: +12 to +30V DC
- Power adapter: optional AC to DC power adapter (24V DC, 120W)

#### Dimensions

 215 mm(W) x 272mm (D) x 93mm (H) without wall mount bracket (8.5" x 10.7" x 3.66")

#### Construction

• Aluminum and metal chassis with fanless design

## Environment

- · Operating temperature:
  - Ambient with air flow: -5°C~60°

(according to IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-14)

- Industrial grade. memory, storage, and peripherals are required under 60C operating temp.
- Storage temperature: -20°C~80°C
- Relative humidity: 10%~95% (non-condensing)
- · Shock protection:
  - HDD: 20G, half sine, 11ms, IEC 60068-2-2
  - M.2: 50G, half sine, 11ms, IEC 60068-2-27
- Vibration protection with HDD condition:
  - Random: 0.5Grms@5~500Hz, IEC 60068-2-64
  - Sinusoidal: 0.5Grms@5~500Hz, IEC 60068-2-6
- Vibration protection with SSD & M.2 condition:
  - Random: 2Grms@5~500Hz, IEC 60068-2-64
  - Sinusoidal: 2Grms@5~500Hz, IEC 60068-2-6

## Certifications

- CE approval EN 61000-6-2- EN 61000-6-4
- FCC Class A
- UKCA

#### **OS Support**

- Windows 11 IoT Enterprise
- Windows 10 64-bit
- Windows 7

# **Ordering Information**

#### Barebone

- NISE 3600CE (P/N: 10J03600C01XE)
   9/8/7/6th Gen Intel® Core™ i7/i5/i3 fanless system with one PCle x4
  expansion
- 19V, 120W AC to DC power adapter w/o power cord (P/N: 7400120027X00)