

## Main Features

- Onboard AMD V1605B APU processor
- Graphics operating at up to 1.1 GHz
- Dual DDR4 SO-DIMM, up to 32G
- Support 4 x HDMI 2.0 for video wall application
- Support M.2 M Key, 2280/2242 size storage device
- 4 x USB 3.0 support
- M.2 E key slot for optional Wi-Fi module
- 1 x Onboard TPM 2.0 IC

## Product Overview

Featuring 4 independent HDMI outputs, with a resolution of up to 4096 x 2160 @ 60Hz, the NDiS V1000 is specifically designed for multimedia displays and video walls in various scenarios, including control rooms, entertainment venues, and exhibition spaces. Powered by the AMD V1605B processor, the NDiS V1000 can smoothly present multiple 4K@60Hz videos. It is supported by 4 x USB 3.0 ports and dual GbE Ethernet, with optional WLAN, making the NDiS V1000 an advanced multi-display system for any applications that require rendering high-quality content across multiple displays.

## Specifications

### CPU Support

- AMD Ryzen™ Embedded V1605B, TDP 15W

### Graphics

- AMD Radeon™ Vega 8

### Main Memory

- 2 x 260-pin SO-DIMM socket, support up to DDR4 2400/2666MHz, non-ECC, un-buffered memory up to 32GB

### I/O Interface-Front

- 1 x Storage active LED
- 1 x Power button
- 1 x RAS232 (support RS232/422/485)

### I/O Interface-Rear

- 2 x Antenna hole
- 4 x USB 3.0
- 4 x HDMI 2.0 with resolution up to 4096 x 2160 @ 60Hz
- 2 x RJ45 with LEDs for Gigabit LAN (Intel® I211-AT)
- 1 x +12V DC-in Jack (4-pin)
- 1 x Audio Line-out

### Internal IO

- 3 x RS232 via box header
- 2 x USB 2.0 pin header
- GPIO connector

### Expansion

- 1 x M.2 E Key 2230, support optional Wi-Fi module

### Storage

- 1 x M.2 M Key 2242/2280 optional SATA 3.0 SSD

### Power Supply

- 1 x External 12+/-5% VDC, 120W Input, DC jack connector 4-pin

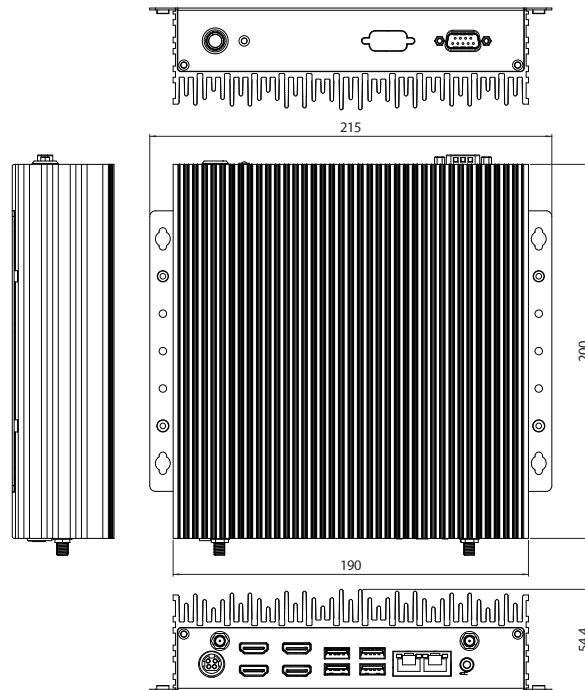
### Environment

- Operating temperature: 0°C to 40°C
- Storage temperature: -20°C to 80°C
- Humidity: 95% (non-condensing)

### Certification

- CE (EMC EN55032 +EN55024)
- FCC Class A (EMI part 15B)
- LVD

## Dimension Drawing



### Dimensions

- 190mm (L) x 200mm (W) x 54.4mm (H)

### Operating System Support

- Win10 64-bit/Linux4.1

## Ordering Information

- ♦ **NDiS V1000 (P/N: 10W00100000X4)**  
AMD V1605B quad processor multi-display embedded computer