

# NDiS B537

Fanless Embedded Computer  
Powered by 7th Generation Intel® Core™ Processor



## Main Features

- 7th Generation Intel® Core™ Processor
- Support HDMI 2.0 Output (4K2K/60Hz support)
- Compact and Slim Design (H: 33mm)
- Support Socket type CPU up to 35W
- NGFF/ mini-PCie Slot Support Wi-Fi and 4G Module
- Fanless Design

## Product Overview

Powered by the 7th generation Intel® Core™ processor, the NDiS B537 Series fanless embedded player can handle powerful multimedia content. In addition, the 7th generation Intel® Core™ processor delivers up to two-and-a-half times the performance in graphics, offering stunning visuals for striking 4K entertaining content creation, media playback, and image processing. The NDiS B537 Series manages in-store traffic analytics, simultaneously engaging "calls to action" with virtual interactions in order to increase product interest and dwell time.

The NDiS B537 Series, supporting multiple Display Port ,HDMI 2.0 displays and USB 3.0 ports, and a RS232 interface, is an ideal high-end embedded player to optimize information visualization, convey brand messages, customer engagement, and smart retail management efficiencies to increase in-store traffic and sales. The slim fanless design with extended durability further covers usages like endless aisles, QSRs, drive-thru kiosks, bus stops, digital transit information signs, and information stands.

## Specifications

### CPU Support

- 7th Gen Intel® Core™ socket type Processor up to 35W

### Chipset

- Intel® PCH H110 (B537)
- Intel® PCH Q170 (B537-I)

### Graphics

- Intel® HD Graphics 600 series

### Main Memory

- 2 x 260-pin SO-DIMM Sockets, Supports DDR4 1866/2133 MHz Non ECC, Un-buffered Memory up to 32G (Single Socket Max. 16GB)

### I/O Interface-Front

- 1 x Power Button with LED
- 1 x Power LED/HDD LED
- 2 x USB3.0
- 1 x HDMI 2.0, 1 x HDMI 1.4
- 1 x Display Port (B537-I only)
- 1 x RJ45 with LEDs for Gigabit LAN (2 x RJ45 for B537-I only)
- 2 x COM Port
- 1 x 4pin Mini-Din with Lock

### Storage

- 1 x SATA 2.5" HDD/ SSD

### I/O Interface-Rear

- 2 x USB 3.0
- 3 x Antenna Hole
- 1 x MIC-in
- 1 x Line-out

### Expansion

- 1 x mini-PCie Slot (Full Size)
- 1 x NGFF (M.2) 2230 for Optional WLAN
- 1 x SIM Slot

### API

- NEXCOM Xcare

### Power Supply

- 1 x External 96W AC/ DC Power Adapter
- Input: 100VAC to 240VAC
- Output: DC+12VDC

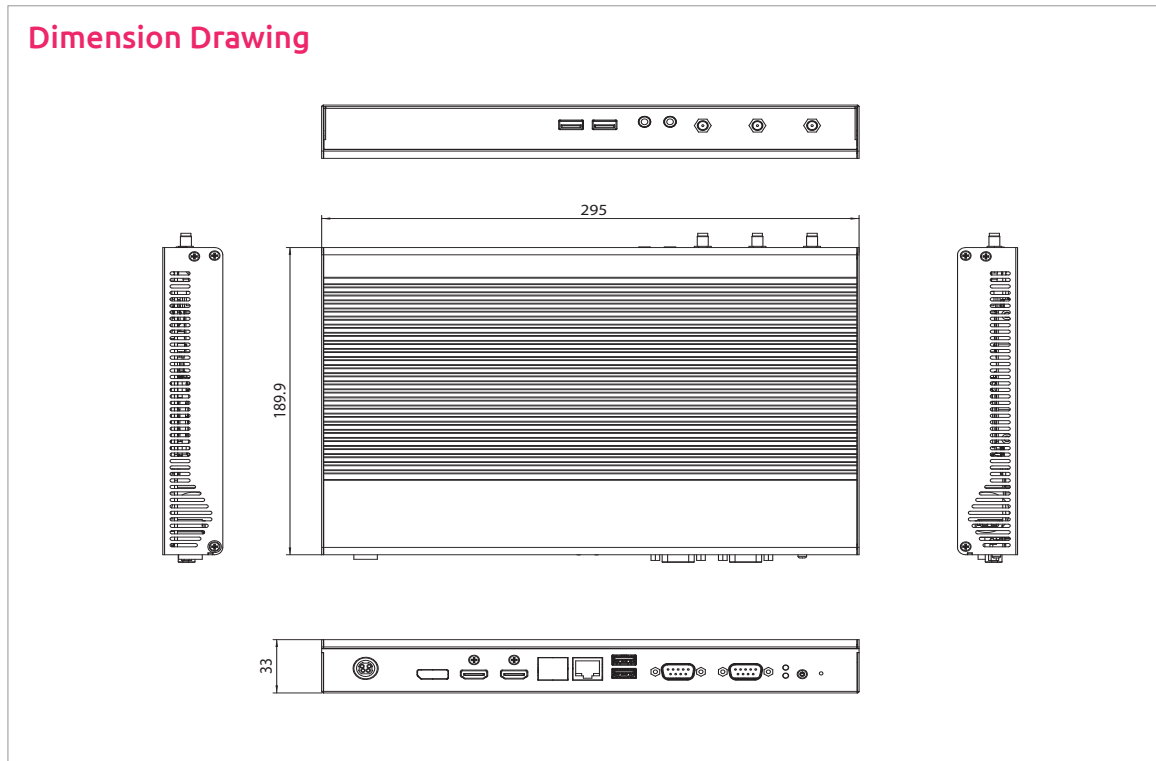
### Environment

- Operating Temperature: -10°C to 45°C
- Storage Temperature: -20°C to 80°C
- Humidity: 10 to 90% (Non-condensing)

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## Dimension Drawing



### Certification

- CE Approval
- FCC Class B

### Dimensions

- 295mm (W) x 189.9mm (D) x 33mm (H)

### Operating System Support

- Win10/ Linux

## Ordering Information

- ♦ **NDiS B537 (P/N: 10W00B53700X0)**  
7th Generation Intel® Core™ Processor Slim and Fanless System
- ♦ **NDiS B537-I (P/N: 10W00B53701X0)**  
7th Generation Intel® Core™ Processor with Q170 Slim and Fanless System

## 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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