NDiS M537

Embedded Computer Powered by 7th/6th Gen. Intel® Core™ Processor

OPS PLUS-Based Digital Signage Platform, Support 4K Resolution



Main Features

- 7th/6th generation Intel® Core™ processor
- Intel® integrated HD 630 graphic engine
- Support 3 independent 4K2K video out
- Dual DDR4 SO-DIMM support
- Support Wi-Fi module
- DirectX® 12 support

Product Overview

NDiS M537 is an OPS PLUS-compliant media player powered by 7th/6th generation Intel® Core™ processors. Following open pluggable standard, NDiS M537 can perfectly fit into a myriad of OPS PLUS-panels and is compact in size. Yet, NDiS M537 has high scalability, allowing for easy storage capacity expansion through pluggable M.2 storage unit and effortless functional extension through FX18-60P (PCIe x4, DP1.2) expansion modules. Changing system memory is also made simple. In addition, NDiS M537 leverages the future generation Intel® Core™ processors to deliver outstanding graphics support 3 independent 4K2K video output. The superb but power-efficient NDiS M537 can therefore maximize visual impacts for digital signage applications.

Specifications

CPU Support

- 7th generation Intel® Core™ processor (LGA1151), 35W
- 6th generation Intel® Core™ processor (LGA1151), 35W

Chipset

- Intel® Q170 PCH

Graphic

- Intel® integrated HD 630 graphics

Main Memory

- 2 x 260-pin SO-DIMM sockets, supports DDR4 2133/2400 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 Reset button
- 1 x RJ45 with LEDs for Gigabit LAN
- 1 x Mini DP connector for DisplayPort++
- 2 x USB 3.0
- 1 x Storage active LED
- 2 x Antenna hole
- 1 x Mic-in phone jack
- 1 x Line-out phone jack
- 1 x DB9 for RS232 (COM3)

I/O Interface-Rear (TX25)

- 1 x TMDS (HDMI 2.0)
- 1 x USB 3.0
- 2 x USB 2.0
- 1 x UART (3.3V TTL) (COM2)
- 1 x Audio out L/R
- DC input +12V~+19V
- Control signals (PWR_STATUS, PS_ON#, PB_DET, CEC, SYS_FAN)

I/O Interface-Rear (FX18)

- 1 x GPIO signal
- 2 x I2C signal
- LAN managements signals
- 1 x DP1.2 signal
- PCIe x4 signal

Storage Device

- 1 x M.2 2242, SATA signal

Expansion

- 1 x M.2 2230 for optional Wi-Fi module

Dimensions

- 200mm (W) x 119mm (D) x 30mm (H) (7.8" x 4.7" x 1.1")

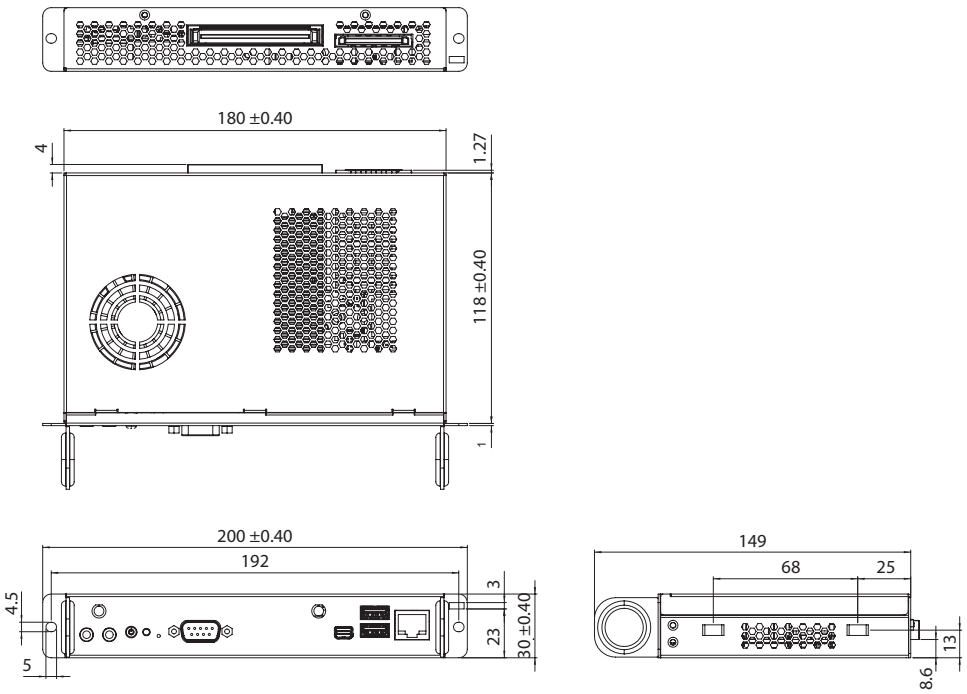
Power Power Supply

- DC power input +12V~+19V

Environment

- Operating temperature: ambient with air flow from 0°C to 45°C
- Storage temperature: -20°C to 80°C
- Humidity: 95% (non-condensing)

Dimension Drawing



Certification

- CE/FCC Class A

Operating System

- 7th generation Intel® Core™: Win10 (64-bit)
- 6th generation Intel® Core™: Win7 (32/64-bit)/Win10 (64-bit)

Ordering Information

- **NDiS M537 (P/N: 10W00M53700X0)**
  7th/6th generation Intel® Core™ LGA1151 type processor OPS PLUS, Intel® Q170 chipset

We reserve the right to change specifications and product descriptions at any time without prior notice.