



## Main Features

- On board Cortex-A8 SOC
- Full HD video support
- Fanless and slim design
- Dual HDMI output
- Mini-PCIe slot support WiFi module

## Product Overview

Powered by ARM® Cortex™-A8 RISC MPU, NDiS 102 can play rich multi-media contents with low power consumption. NDiS 102 is enclosed in a compact chassis and can be easily integrated to display devices, such as LCD TV or PDP at site installation with dual HDMI display output, Giga LAN and WLAN support. NDiS 102 is suitable as an entry level digital signage player for advertising, messaging, and brand promotion.

## Specifications

### Processor

- On board TI DM8148 1GHz ARM Cortex-A8 RISC MPU Up to 750-MHz c674x VLIM DSP

### Memory

- Support DDR3-1333 1GB memory on board

### Multi-Media

- Support SGX530 Graphic Accelerator
- Codec Engine : HDVICP2
- Hardware Decode : MPEG 4 ASP/SP, H.264 BL/MP/HP, VC-1 SP/MP/AP, RV9/10, AVS-1.0 and ON2 VP6.2/VP7

### I/O Interface-Front

- Power Button
- Power/HDD LED
- miniPCIe LED

### I/O Interface-Rear

- 2 x HDMI
- 2 x USB2.0
- 1 x RJ45 with LED, Gigabit LAN port
- 1 x RJ45 for RS232
- +12V DC-in
- 1 x Line-in
- 1 x Line-out

### Storage

- 1 x SATA 3.0 connector
- 1 x 4-pin + 1 x 2 pin SATA power connector
- 1 x microSD socket

### Serial Port

- 2 x COM port pin header

### USB

- 1 x USB pin header

### Connectivity

- One Internal accessible SIM card slot for WWAN

### Expansion

- Mini-PCIe x1, support Wireless LAN module

### Dimension

- 179.9mm (W) x 114.9mm (D) x 37.5mm (H) w/o mounting bracket

### Environment

- Operating temperature : ambient with air flow from 0°C to 40°C
- Storage temperature : -20°C to 80°C
- Humidity : 10 to 90% (non-condensing)

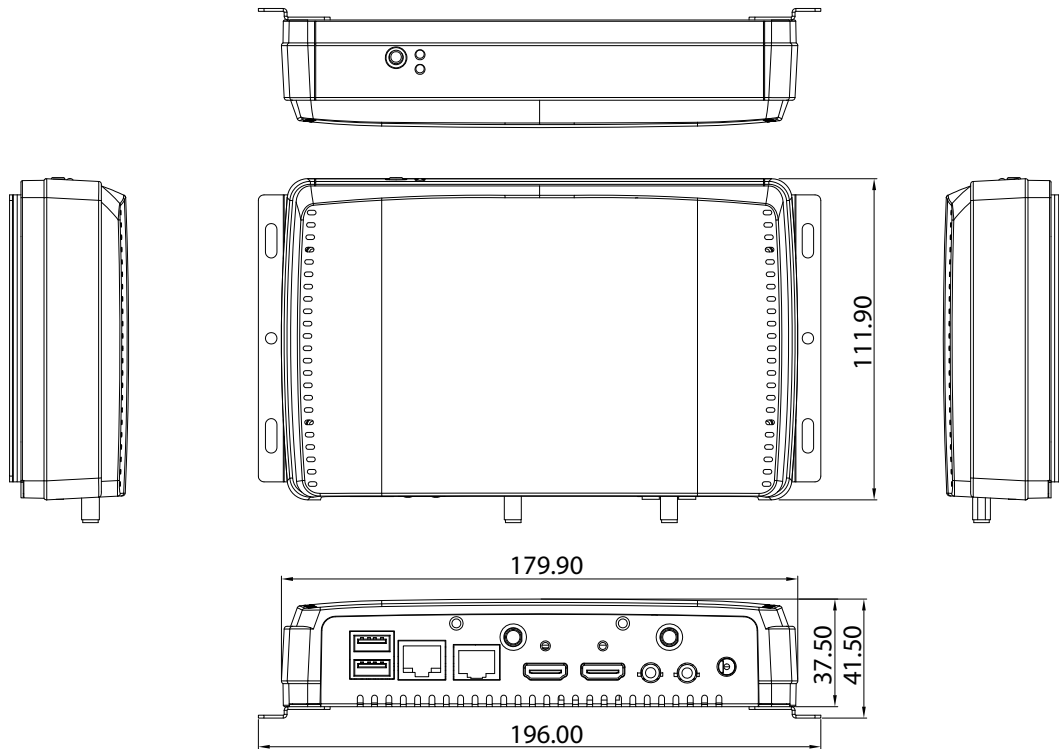
### Certification

- CE approval
- FCC Class A

### Operating System

- Linux 2.6.x

## Dimension Drawing



## Ordering Information

- ♦ **NDiS 102 (P/N : 10W00010200X0)**  
TI DM8148 1GHz Cortex-A8 RISC System, BSP included