



### Main Features

- ♦ Core™ 2 Duo Mobile Processor P8400 2.26 GHz, Celeron® Processor 575 2.00 GHz
- ♦ Up to 8 GB with un-buffered and Non-ECC DDR3 800/1066 MHz SDRAM
- ♦ Intel® GMA 4500MHD Integrated Graphics Engine
- ♦ Dual Independent Display Support
- ♦ 1 x Intel® 82574 Gigabit Ethernet Controller
- ♦ 2 x Mini-PCIe for TV Tuner / WLAN Modules

### Product Overview

The NDiS163 features Intel® Core™ 2 Duo, Celeron® family processors with 1066/667 MHz as P8400, and Celeron® 575 based on GM45 integrated graphics solution. Furthermore, NDiS163 supports dual display by DVI, HDMI, and CRT with dual independent audio output.

### Specifications

#### CPU support

- ♦ Support Intel® Core™ 2 Duo/Celeron® family processors with 1066/667 MHz  
Core™ 2 Duo Mobile Processor P8400 2.26GHz  
Celeron® M 575 Processor 2.0GHz

#### Chipset

- ♦ Intel® GM45 Graphics and Memory Controller Hub
- ♦ Intel® 82801IBM I/O Controller Hub

#### Main Memory

- ♦ 2 x 240-pin 25° angled DIMM, up to 8 GB with un-buffered and Non-ECC DDR3 800/1066 MHz SDRAM

#### I/O Interface-Front

- ♦ 2 x USB 2.0
- ♦ 1 x COM1 (RS232)
- ♦ 1 x COM2 (RS232)
- ♦ GPIO Terminal Port ( 4 in, 4 out)

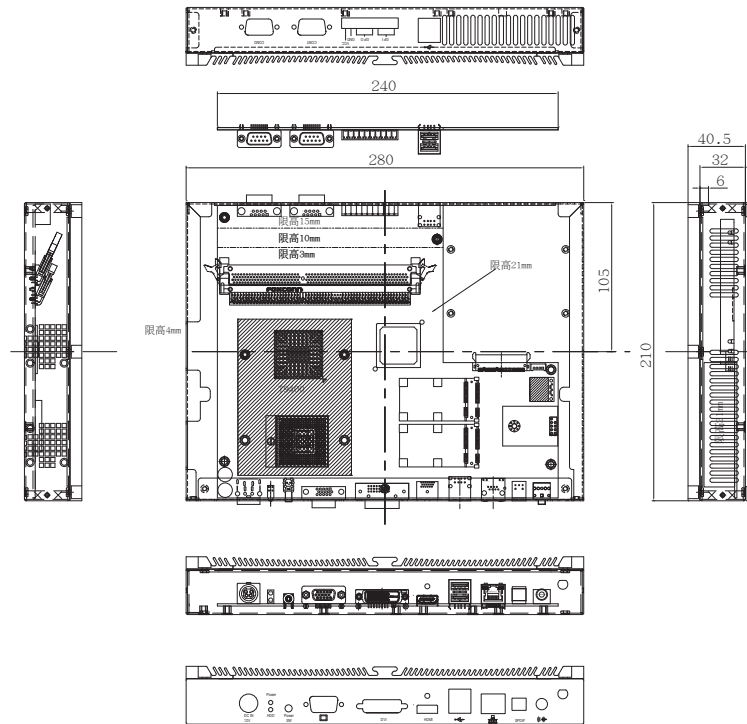
#### I/O Interface-Side

- ♦ 1 x +12V DC-in
- ♦ 2 x LED for PW & HDD
- ♦ 1 x ON/OFF Power Switch
- ♦ 1 x VGA
- ♦ 1 x DVI-D
- ♦ 1 x HDMI
- ♦ 2 x USB 2.0
- ♦ 1 x RJ45 with LED
- ♦ 1 x SPDIF
- ♦ 1 x Audio Out
- ♦ 2 x Antenna hole for WiFi & TV Tuner

#### Storage

- ♦ 1 x SATA 2.5" HDD Bay
- ♦ 1 x u-DOM socket

## Dimension Drawing



### Expansion Slot

- 2 x Mini-PCIe Socket support Wireless LAN module & TV tuner module

### Dimensions

- 280mm (W) x 210mm (D) x 40.4mm (H) (11" x 8.3" x 1.6") w/o mounting bracket

### Construction

- Top cover made by Aluminum for main heat exchange
- Chassis made by steel in black

### Power Requirements

- 1 x external +12V DC output 150W Adapter
- Support ATX power mode

### Environment

- Operating temperatures: 0°C to 40°C
- Storage temperature: -40°C to 80°C
- Relative humidity(Non-condensing): 95%

### Certification

- CE approval
- FCC Class A

## Ordering Information

- **NDiS 163 (P/N:10W00016300X0)**  
Intel® Core™ 2 Duo, Celeron® family processors  
Intel® GM 45 / Intel® ICH9-M