1U Rackmount chassis for Mini-ITX motherboard with 2 drive bays, support up to 250W PSU
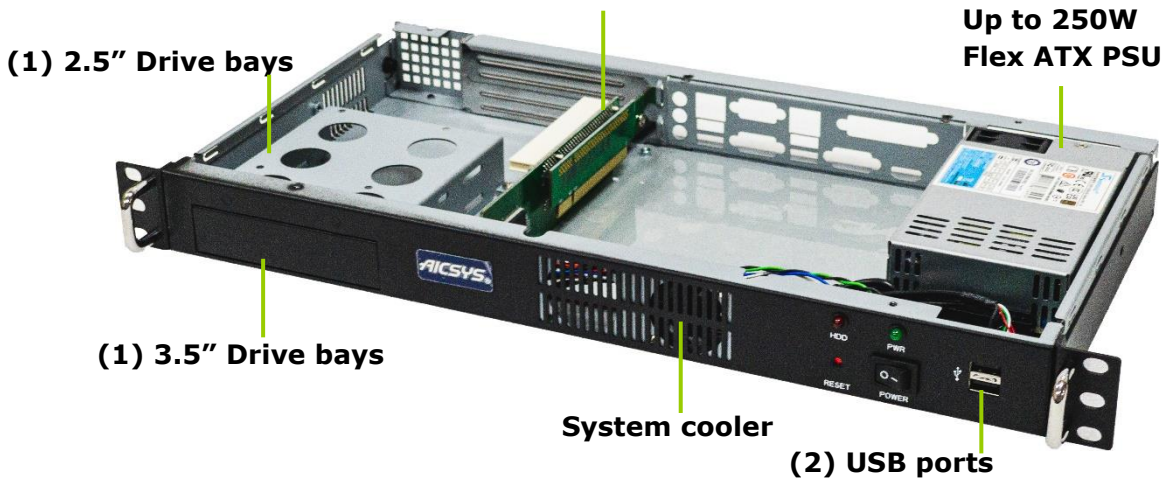
Support for PCI & PCIe Riser Card

Up to 250W Flex ATX PSU

(1) 2.5" Drive bays

(1) 3.5" Drive bays

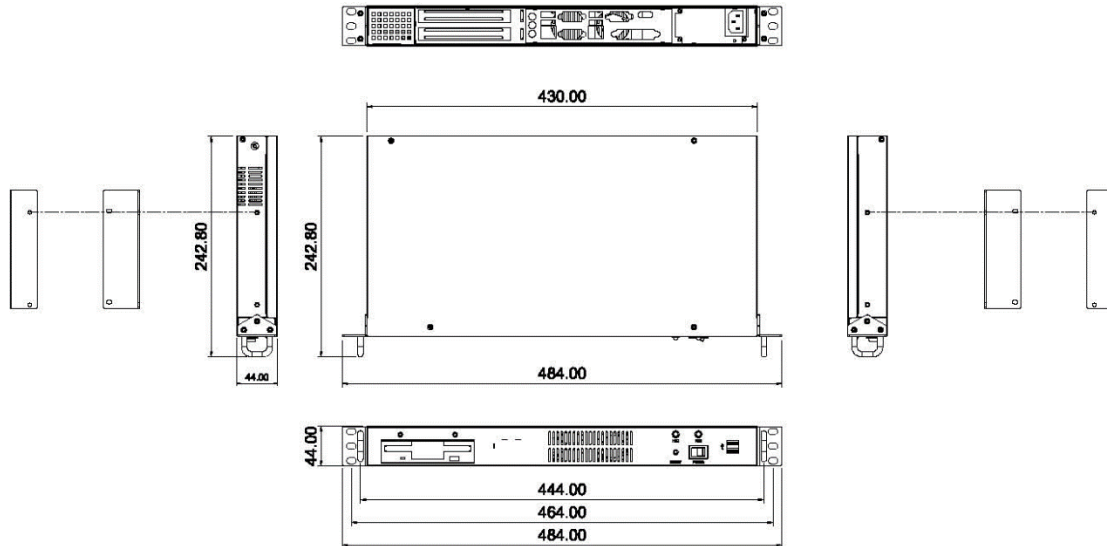**System cooler**

(2) USB ports

Introduction

The **NDS-102M2** chassis is ultra compact 1U chassis made of heavy-duty steel with up to 250 watt 1U industrial power supply, designed for standard 19" rack cabinet, supports Mini-ITX motherboard. With its compact size, the chassis still remains up to 2 PCI or 1 PCIe expansions through riser card and supports up to 2 HDD drives. The front panel provides two USB 2.0 ports and one 40mm fans for high performance system. The **NDS-102M2** also provides rackmount kit and wallmount kit; users can change the mounting type for different applications. It is the ideal platform for an almost unlimited variety of applications like servers, digital signage system, Set Top Box, entertainment center or other industrial PC designs.

Features

- EIA RS-310C 19" 1U Rackmount
- Heavy-duty steel construction
- Supports Mini-ITX motherboard
- (2) 2.0 USB ports on front panel
- (1) 3.5" and (1) 2.5" Drive bays
- Expansion with PCI or PCIe Riser card
- Up to 250W Flex ATX PSU
- Wallmount and Rackmount kit supported

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Mechanical Drawing

Construction

● Heavy-duty steel

Color

● Black

Drive bay

● (1) 3.5" and (1) 2.5" Drive bays
● Supports one 3.5" mobile rack with (2) 2.5" HDD

Expansion

● PCI-201D: Riser card with (2) PCI slot, or
● PCIE-101D-50: Riser card with (1) PCIe x1

Power Supply

● Up to 250W Flex ATX

Cooling System

● (1) 4cm fan
● (1) Extra space for additional 4cm fan

I/O Port

● (2) USB 2.0

Switch

● Power On/Off and Reset switch

Indicator

● Power On/Off and HDD activity LEDs

Operating temperature

● 0~45ºC

Weight

● NW: 2.6kg / 5.73lbs
● GW: 3.8kg / 8.38lbs

Dimension (W x D x H)

● 430 x 221 x 44.2mm
● 16.9 x 8.7 x 1.74 inches

Ordering Information

NDS-102M2-BLK	1U chassis for Mini-ITX motherboard with (2) drive bays, and (2) PCI slots riser card
NDS-102M2-101D-BLK	1U chassis for Mini-ITX M/B with (2) drive bays, and (1) PCIe x1 slot riser card
NDS-102M2-250W-BLK	NDS-102M2 chassis with 250W Flex ATX power supply
NDS-102M2-101D-250W-BLK	NDS-102M2-101D chassis with 250W Flex ATX power supply

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Industrial Mini-ITX Motherboard supports Intel® Celeron® Processor J1900 (up to 2.42 GHz) SoC, VGA/HDMI/LVDS, USB 3.0, PCI Express Mini Card, PCIe x1, and HD Audio

Features

- Intel® Bay Trail-D 2.0GHz SoC
- Dual Gigabit Ethernet supported
- (1) SATA-300 & (1) mSATA
- Watchdog & Hardware Monitor function
- HDMI/ VGA/LVDS multiple outputs

CPU

- Intel® Celeron® processor J1900 (up to 2.42 GHz) quad core SoC (Bay Trail)

Chipset

- SoC integrated

System Memory

- (1) 204-pin SO-DIMM dual channel DDR3L-1333, Max up 8 GB

Display Interface

- Intel® HD Graphics
- (1) HDMI & (1) VGA
- (1) LVDS 24 bit dual channel

Ethernet

- (2) Realtek RTL8111E for Gigabit LAN support WoL & PXE

Audio

- HD Audio as Mic-in/Line-out with Realtek ALC662

I/O Interface

- (4) RS232 & (2) RS232/422/485 serial ports
- (1) USB 3.0 and (5) USB 2.0 ports
- (1) 8-bit digital I/O interface
- (1) SATA-300 & (1) mSATA
- (1) SIM slot

Onboard Expansion

- (1) PCIe x1
- (1) PCI Express mini card with SIM socket

Power Requirement

- 12VDC or Standard ATX

Environment Spec

- 0 ~ 60°C operation temperature
- Operation humidity under 10% ~ 95%

Dimension

- 170mm x 170mm

Ordering Information

MBC-4506A2GNL   Intel® Bay Trail-D Celeron® J1900 mini ITX SBC, VGA/HDMI/LVDS, Dual GbE LAN, USB 3.0, PCIe x1, PCI express mini card and HD Audio

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