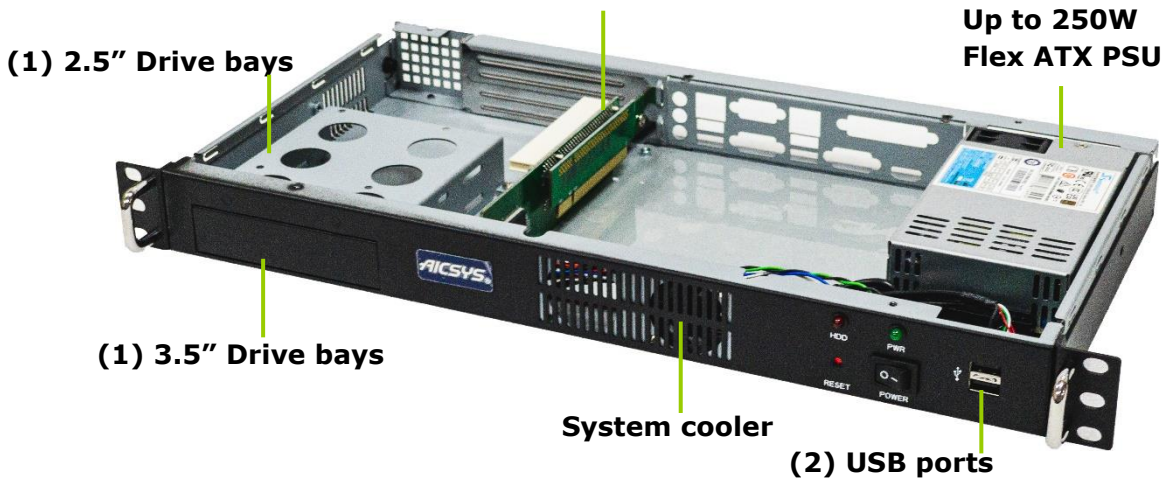




1U Rackmount chassis for Mini-ITX motherboard with 2 drive bays, support up to 250W PSU

Support for PCI & PCIe Riser Card



Introduction

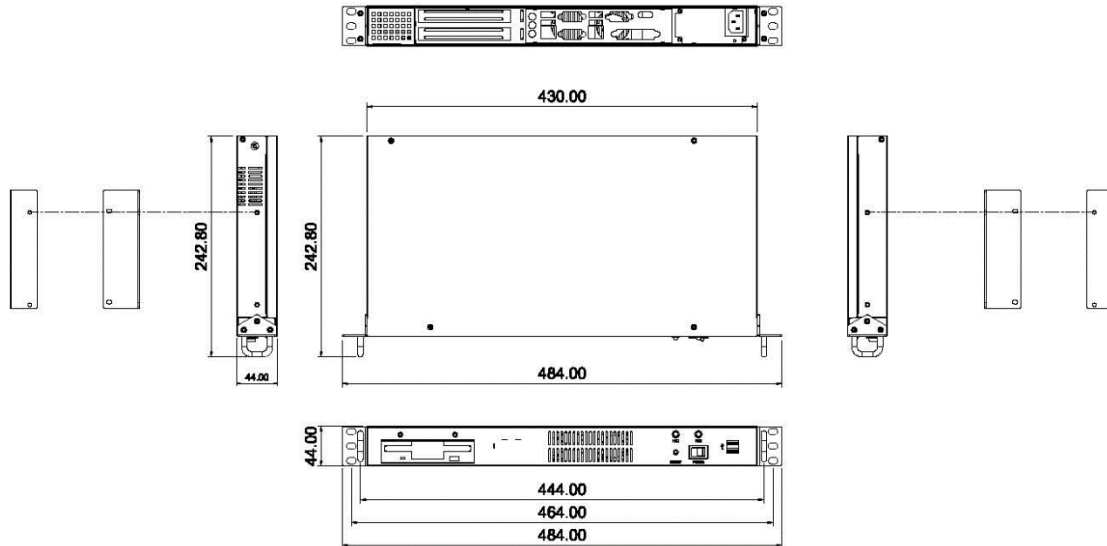
The **NDS-102M2** chassis is ultra compact 1U chassis made of heavy-duty steel with up to 250 watt 1U industrial power supply, designed for standard 19" rack cabinet, supports Mini-ITX motherboard. With its compact size, the chassis still remains up to 2 PCI or 1 PCIe expansions through riser card and 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



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

- 0~45°C

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



Industrial Mini-ITX motherboard with LGA1700 Socket 12th/13th Gen Intel® Core™ Processor, DDR5 up to 64GB, Intel® H610, (2) HDMI, (1) VGA, (2) GbE LAN and HD Audio

Features

- Support Intel® 12th/13th Gen. Core Processors
- Dual Gigabit Ethernet supported
- (2) SATA3, (1) M.2 Key M, (1) M.2 Key E
- Supports Watchdog timer
- HDMI/ VGA multiple display outputs

CPU

- LGA1700 12th/13th gen Intel® Core™ i9/i7/i5/i3, Intel® Pentium® processors /Celeron® processors (up to 65W)

Chipset

- Intel® Alder lake-S H610 chipset

System Memory

- (2) DDR5 UDIMM supports 4800/5600, Max up to 64 GB

Storage

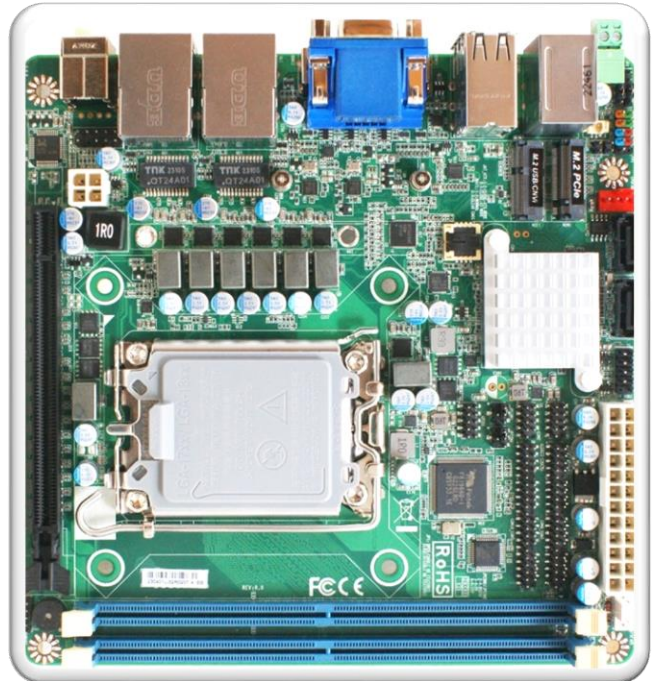
- (2) SATA3
- (1) M.2 M-key (2242/2280 PCI-Ex4 Gen.3)

Display Interface

- Intel® UHD Graphics 700 series engine
- (2) HDMI & (1) VGA
- Support Triple Displays

Audio

- HD Audio as Mic-in/Line-out with Realtek ALC897



TPM

- Optional TPM onboard

Ethernet

- (2) 10/100/1000 Mbps Ethernet with Realtek® RTL8111H and with Wake-on-LAN and PXE Boot ROM supported

I/O Interface

- (2) RS232 & (8) RS232/422/485 serial ports
- (4) USB 3.2 Gen.1 and (8) USB 2.0 ports
- (1) 8-bit digital I/O interface

Onboard Expansion

- (1) PCIe x16
- (1) M.2 E-key (2230, CNVi/PCI-Ex1/USB2.0, Support WIFI/BT Module)

Power Requirement

- Standard ATX connector



Environment Spec

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

Dimension

- 170mm x 170mm

Ordering Information

MBC-6J04A2GHV	Mini-ITX with LGA1700 12 th /13 th gen Intel® Core™ processor, (2) HDMI, , VGA, USB 3.2, M.2, dual GbE LAN, HD audio
MBC-6J04A2GHVM	With TPM 2.0

