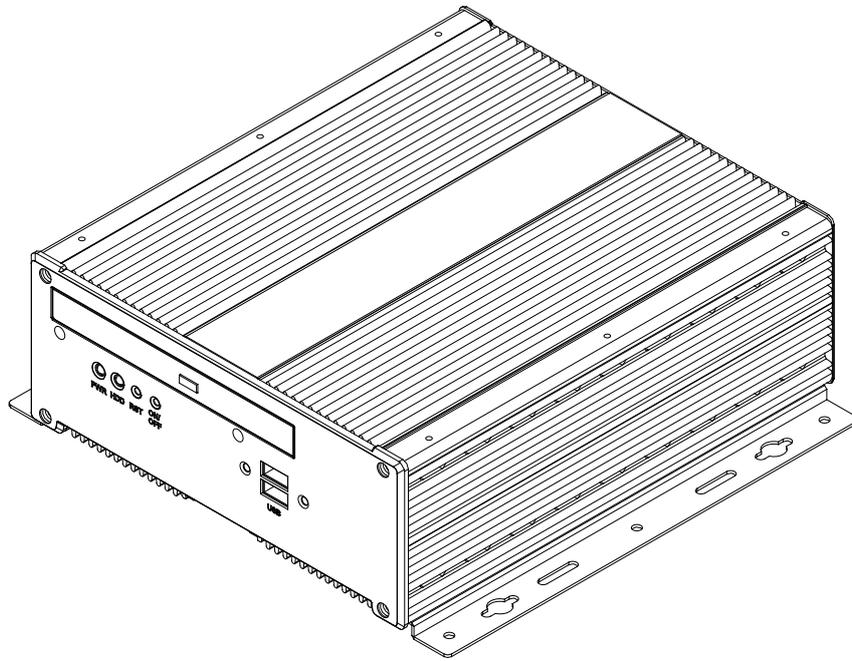


# AMI300 Series

## User Manual



2008 November V1.0

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## **Safety Information**

Your AMI300-8/9 is designed and tested to meet the latest standards of safety for information technology equipment. However, to ensure your safety, it is important that you read the following safety instructions.

### ***Setting up your system***

- Read and follow all instructions in the documentation before you operate your system.
- Do not use this product near water.
- Set up the system on a stable surface or secure on wall with the provided rail. Do not secure the system on any unstable plane or without the rail.
- Do not place this product on an unstable cart, stand, or table. The product may fall, causing serious damage to the product.
- Slots and openings on the chassis are for ventilation. Do not block or cover these openings. Make sure you leave plenty of space around the system for ventilation. Never insert objects of any kind into the ventilation openings.
- This system should be operated from the type of power indicated on the marking label. If you are not sure of the type of power available, consult your dealer or local power company.
- Use this product in environments with ambient temperatures between 0°C and 45°C.
- If you use an extension cord, make sure that the total ampere rating of the devices plugged into the extension cord does not exceed its ampere rating.

### ***Care during use***

- Do not walk on the power cord or allow anything to rest on it.
- Do not spill water or any other liquids on your system.
- When the system is turned off, a small amount of electrical current still flows. Always unplug all power, and network cables from the power outlets before cleaning the system.
- If you encounter the following technical problems with the product, unplug the power cord and contact a qualified service technician or your retailer.
  - The power cord or plug is damaged.
  - Liquid has been spilled into the system.
  - The system does not function properly even if you follow the operating instructions.

- The system was dropped or the cabinet is damaged.

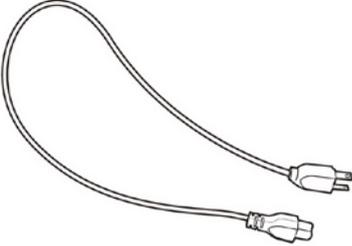
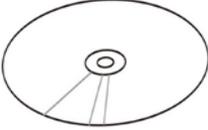
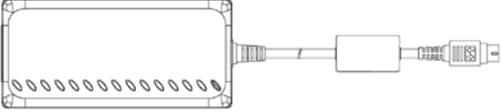
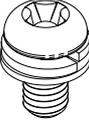
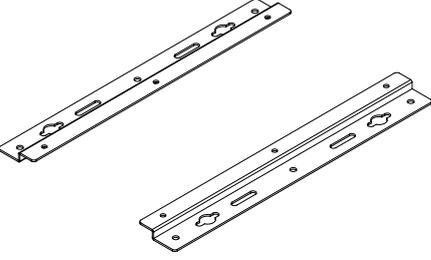
### **Lithium-Ion Battery Warning**

**CAUTION:** Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to the manufacturer's instructions.

### **NO DISASSEMBLY**

The warranty does not apply to the products that have been disassembled by users

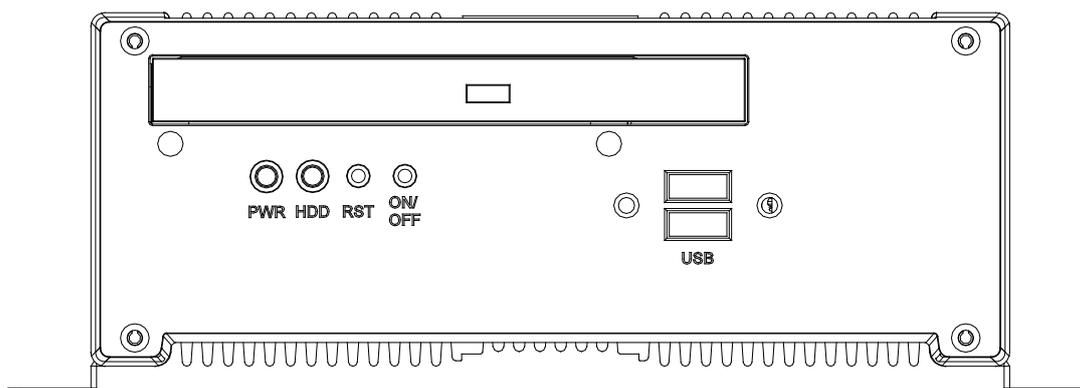
## Accessories

|  |  |
|--|--|
|  A power cord with a standard AC power plug on one end and a smaller, specialized connector on the other. |  A small, rectangular manual with the words "User Manual" printed on its cover.  |
| a. Power Cord x 1  | b. M/B Manual x 1  |
|  A standard compact disc (CD) with a central hole and a reflective surface.                               |  A power brick, which is a small, rectangular power supply unit with a cooling fan on the front and a power cord on the back. |
| c. Driver CD x 1   | d. Power Brick x 1   |
|  A screw with a wide, flat head and a threaded shaft.   |  Two long, narrow metal rails with several mounting holes and slots along their length.                                      |
| e. Mounting Rail Screw x 6   | f. Mounting Rail x 2   |

# Components

## Front View

Refer to the diagram below to identify the components on this side of the system.



### **PWR**

The power LED illuminated when system been power on.

### **HDD**

The hard disk LED blinks when data is being written into or read from the hard disk drive.

### **RST**

The reset switch allows reset the system.

### **ON/OFF**

The power switch allows powering ON and OFF the system.

### **USB**

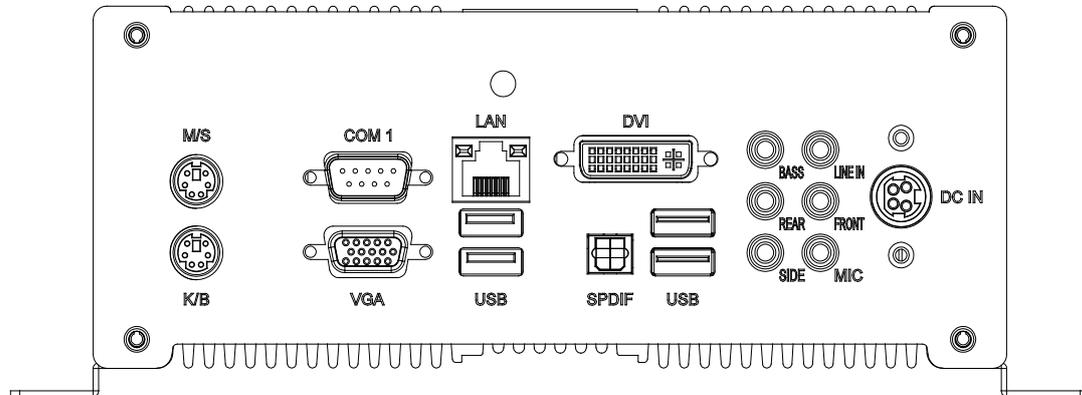
The USB (Universal Serial Bus) port is compatible with USB devices such as keyboards, mouse devices, cameras, and hard disk drives. USB allows many devices to run simultaneously on a single computer, with some peripheral acting as additional plug-in sites or hubs.

### **DVD-RW**

Slim-tray type DVD-RW support most CD and DVD in the market. You can read/write data from the disc with proper software.

## Rear View (AMI300-9)

Refer to the diagram below to identify the components on this side of the system.



### M/S

The PS/2 mouse port is use to connect PS/2 mouse.

### K/B

The PS/2 keyboard port is use to connect PS/2 compatible devices such as keyboard, MSR and scanner.

### COM1

Communication or serial port one is compatible with RS-232 interface.

### VGA

Video Graphic Array (VGA) port supports a VGA-compatible device such as a monitor or projector. The system default display output port.

### LAN

The eight-pin RJ-45 LAN port supports a standard Ethernet cable for connection to a local network.

### USB

The USB (Universal Serial Bus) port is compatible with USB devices such as keyboards, mouse devices, cameras, and hard disk drives. USB allows many devices to run simultaneously on a single computer, with some peripheral acting as additional plug-in sites or hubs.

**DVI**

The Digital Visual Interface (DVI) port supports a high quality VGA-compatible device such as a monitor or projector to allow viewing on a larger external display.

**SPDIF**

Plug a standard SPDIF optical audio cable into this connector for digital audio transfer.

**BASS/REAR/SIDE/LINE IN/FRONT/MIC**

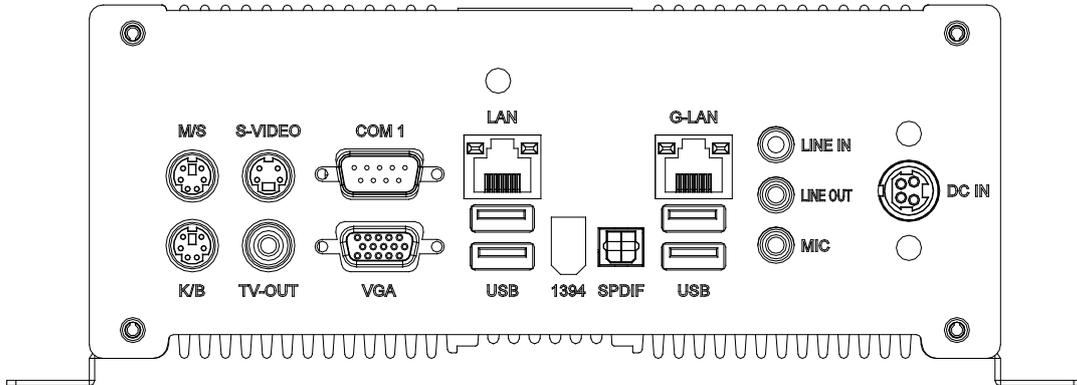
Analog audio output connector. Please refer M/B manual to connect analog audio signal out to get stereo or 5.1 channels signal.

**DC IN**

The supplied power adapter converts AC power to DC power for use with this jack. Power supplied through this jack supplies power to the system. To prevent damage to the system, always use the supplied power adapter.

## Rear View (AMI300-8)

Refer to the diagram below to identify the components on this side of the system.



### **M/S**

The PS/2 mouse port is use to connect PS/2 mouse.

### **K/B**

The PS/2 keyboard port is use to connect PS/2 compatible devices such as keyboard, MSR and scanner.

### **S-VIDEO**

Super Video is a Y/C analog video signal output port that carries luma and chroma signals to any display which support this interface such as projector, TV.

### **TV-OUT**

Composite Video port (RCA connector) is format of an analog television (picture only) signal to any display which supports this interface such as projector, TV.

### **COM1**

Communication or serial port one is compatible with RS-232 interface.

### **VGA**

Video Graphic Array (VGA) port supports a VGA-compatible device such as a monitor or projector. The system default display output port.

**LAN**

The eight-pin RJ-45 LAN port supports a standard Ethernet cable for connection to a local network.

**USB**

The USB (Universal Serial Bus) port is compatible with USB devices such as keyboards, mouse devices, cameras, and hard disk drives. USB allows many devices to run simultaneously on a single computer, with some peripheral acting as additional plug-in sites or hubs.

**1394**

IEEE 1394 interface connector.

**SPDIF**

Plug a standard SPDIF optical audio cable into this connector for digital audio transfer.

**LINE IN**

The stereo headphone jack (3.5mm) is used to connect the audio signal into system to record or bypass it to storage or LINE OUT.

**LINE OUT**

The stereo audio jack (3.5mm) is used to connect the system's audio out signal to amplified speakers or headphones.

**MIC**

The microphone jack is designed to connect the microphone used for video conferencing, voice narrations, or simple audio recordings.

**DC IN**

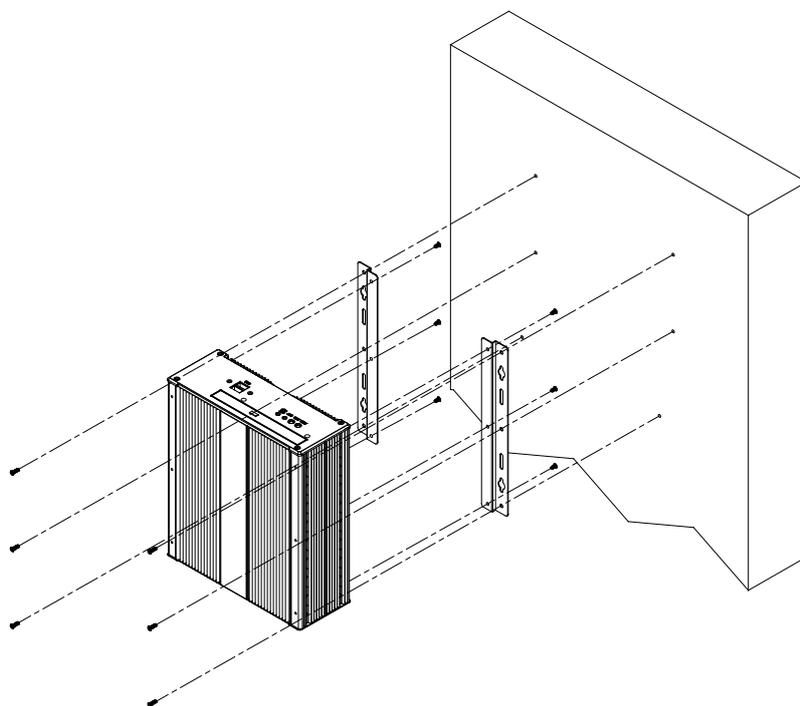
The supplied power adapter converts AC power to DC power for use with this jack. Power supplied through this jack supplies power to the system. To prevent damage to the system, always use the supplied power adapter.

## Specification

|                              |  |
|------------------------------|--|
| <b>System Mainboard</b>      | MI910E / MB899EF                                       |
| <b>Construction</b>          | Aluminum   |
| <b>Chassis Color</b>         | Silver   |
| <b>Storage</b>               | 2.5" 80GB SATA HDD x 1                                 |
| <b>Mounting</b>              | Desktop or wall mount                                  |
| <b>Dimensions</b>            | 199(W) x 77.4(H) x 232(D)mm<br>(7.83" x 2.97" x 9.13") |
| <b>Power Supply</b>          | 80W DC adapter   |
| <b>Operating Temperature</b> | 0°C ~ 45°C (32°F ~ 113°F)                              |
| <b>Storage Temperature</b>   | -20°C ~ 80°C   |
| <b>Relative Humidity</b>     | 5~95% @45°C (non-condensing)                           |
| <b>Vibration</b>             | HDD: 0.25g/5~500Hz random operation                    |
| <b>RoHS</b>                  | Available  |

· This specification is subject to change without prior notice.

## Mounting AMI300 to the Wall



Using attached mounting rail, you can install AMI300 on wood, drywall surface over studs, or a solid concrete or metal plane. Ensure the installer uses at least four M4 length 8mm screws to secure the system on wall. ***Six M4 length 8mm screws are recommended to secure the system on wall.***

Fasteners are not included with the unit, and must be supplied by the installer. The types of fasteners required are dependent on the type of wall construction. Choose fasteners that are rated either "Medium Duty" or "Heavy Duty." To assure proper fastener selection and installation, follow the fastener manufacturer's recommendations.

### Wall mounting requirements

**Note:** Before mounting the system on wall, ensure that you are following all applicable building and electric codes.

When mounting, ensure that you have enough room for power and signal cable routing. And have good ventilation for power adapter. The method of mounting must

be able to support weight of the AMI300 plus the suspend weight of all the cables to be attached to the system. Use the following methods for mounting your system:

### **Mounting to hollow walls**

- **Method 1: Wood surface** – A minimum wood thickness – 38mm (1.5in.) by 25.4 cm (10in.) – of high, construction – grade wood is recommended.  
**Note:** This method provides the most reliable attachment of the unit with little risk that the unit will come loose or require ongoing maintenance.
- **Method 2: Drywall walls** - Drywall over wood studs is acceptable.

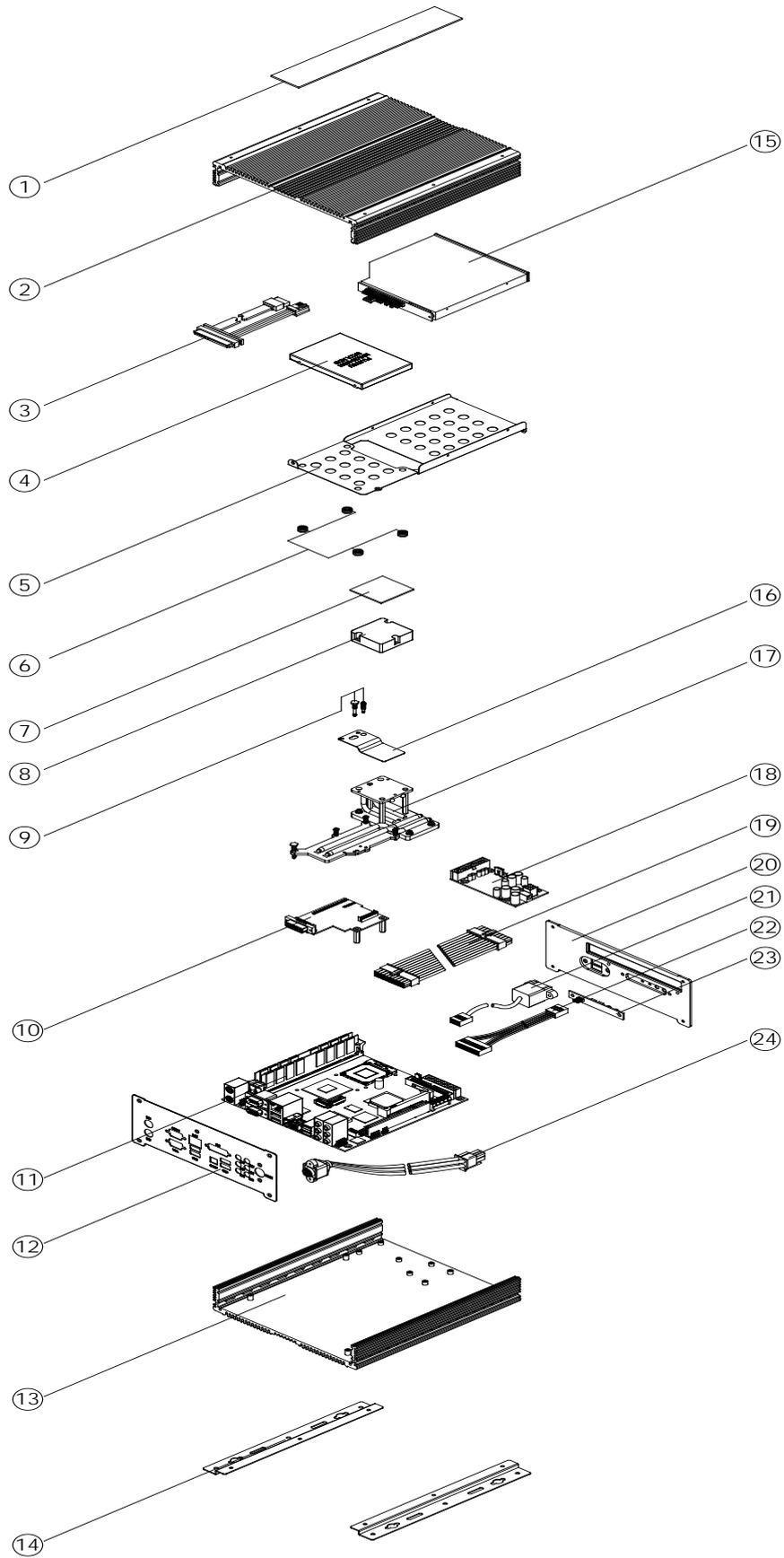
**Mounting to a solid concrete or brick wall** - Mounts on a flat smooth surface.

### **Selecting the location**

Plan the mounting location thoroughly. Locations such as walkway areas, hallways, and crowded areas are not recommended. Mount the unit to a flat, sturdy, structurally sound column or wall surface.

The best mounting surface is a standard countertop, cabinet, table, or other structure that is minimally the width and length of the unit. This recommendation reduces the risk that someone may accidentally walk into and damage the device. Local laws governing the safety of individuals might require this type of consideration.

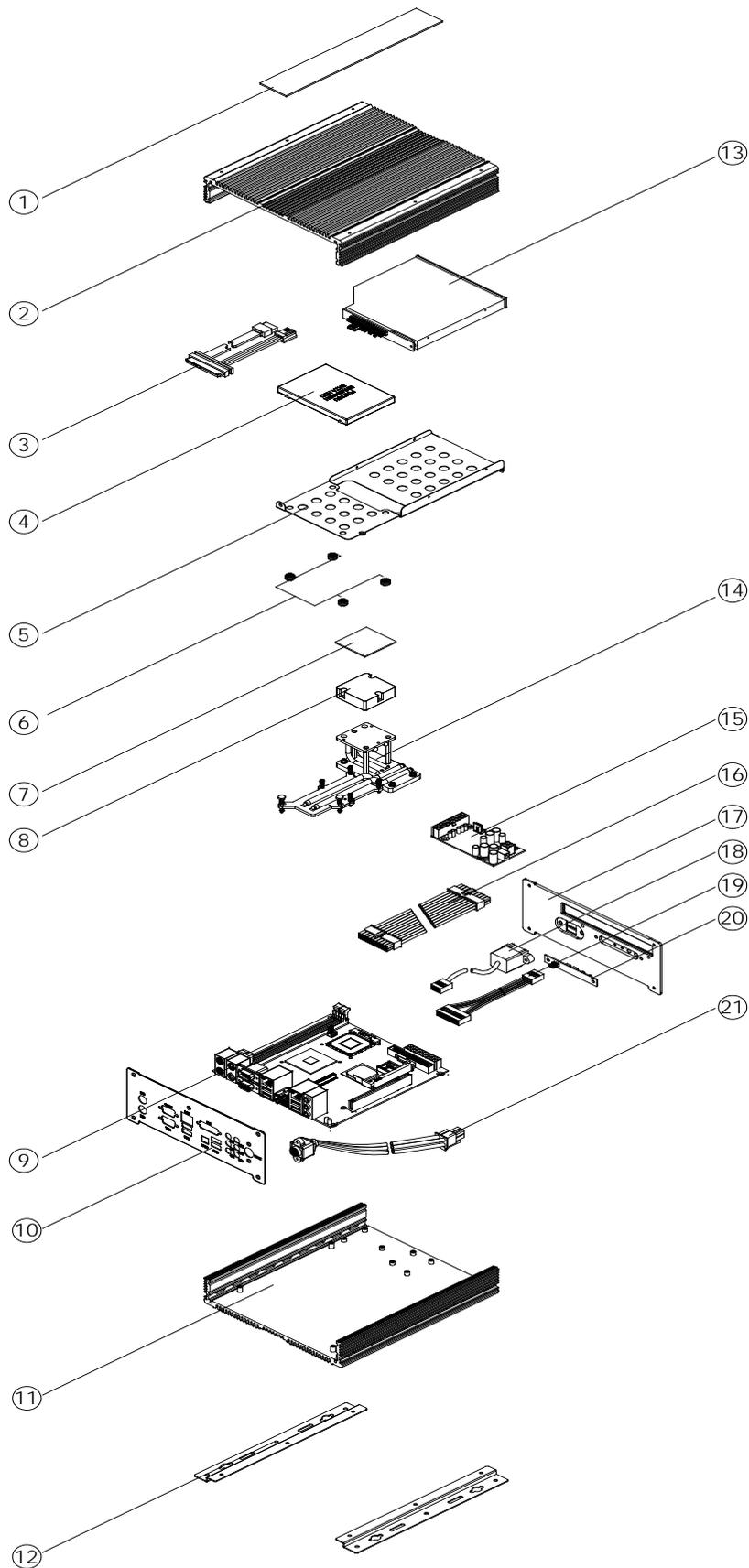
# Exploded view of the AMI300 assembly – AMI300-9



## Parts description

| Part NO. | Description               | Part NO. | Description           |
|----------|---------------------------|----------|-----------------------|
| 1        | Name panel                | 2        | Top chassis           |
| 3        | Storage cable             | 4        | HDD                   |
| 5        | HDD/DVD-RW bracket        | 6        | Anti-Vibrate grommet  |
| 7        | Thermal PAD               | 8        | Extension heat sink   |
| 9        | Screws for SB heat sink   | 10       | ID392 DVI board       |
| 11       | MI910E                    | 12       | Rear panel            |
| 13       | Bottom chassis            | 14       | Mounting rail         |
| 15       | Slim DVD-RW               | 16       | Southbridge heat sink |
| 17       | Heat pipe                 | 18       | I D450                |
| 19       | ATX power extension cable | 20       | Front panel           |
| 21       | USB extension cable       | 22       | Control panel cable   |
| 23       | IB881-SW Board            | 24       | DC extension cable    |

# Exploded view of the AMI300 assembly – AMI300-8



## Parts Description

| Part NO. | Description         | Part NO. | Description               |
|----------|---------------------|----------|---------------------------|
| 1        | Name panel          | 2        | Top chassis               |
| 3        | Storage cable       | 4        | HDD                       |
| 5        | HDD/DVD-RW bracket  | 6        | Anti-Vibrate grommet      |
| 7        | Thermal PAD         | 8        | Extension heat sink       |
| 9        | MI910E              | 10       | Rear panel                |
| 11       | Bottom chassis      | 12       | Mounting rail             |
| 13       | Slim DVD-RW         | 14       | Heat pipe                 |
| 15       | I D450              | 16       | ATX power extension cable |
| 17       | Front panel         | 18       | USB extension cable       |
| 19       | Control panel cable | 20       | IB881-SW Board            |
| 21       | DC extension cable  |          |                           |

## **Driver Installation**

Please refer correspond mainboard user manual to install the driver properly.

## **BIOS Setup**

Please refer correspond mainboard user manual to configure BIOS setting.