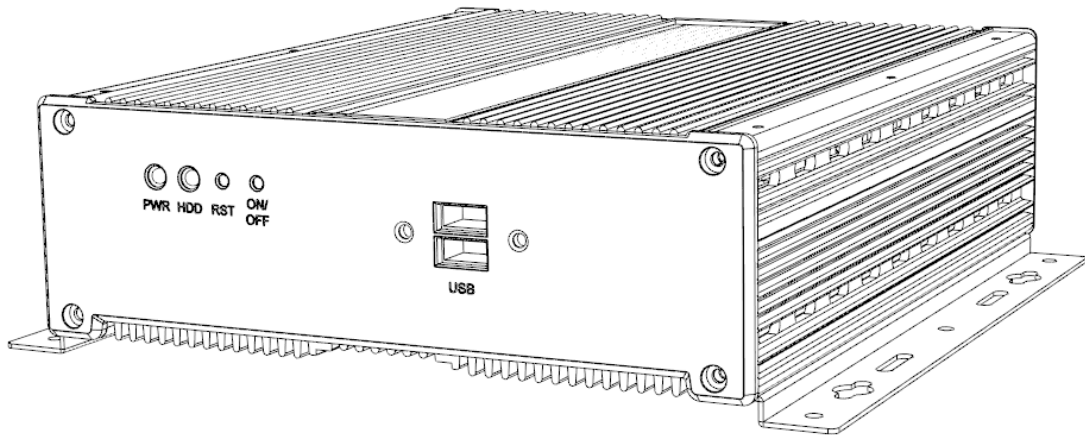


AMI200 Series

User Manual



2012 August V4.0

Copyright © 2010 IBASE Technology INC. All Rights Reserved.

No part of this manual, including the products and software described in it, may be reproduced, transmitted, transcribed, stored in a retrieval system, or translated into any language in any form or by any means, except documentation kept by the purchaser for backup purposes, without the express written permission of IBASE Technology INC. ("IBASE").

Products and corporate names mentioned in this manual may or may not be registered trademarks or copyrights of their respective companies, and are used for identification purposes only. All trademarks are the property of their respective owners.

Every effort has been made to ensure that the contents of this manual are correct and up to date. However, the manufacturer makes no guarantee regarding the accuracy of its contents, and reserves the right to make changes without prior notice.

Table of Contents

<i>Accessories</i>	6
<i>Components</i>	8
Front View	8
Rear View (AMI200-9)	9
Rear View (AMI200-8)	11
Rear View (AMI200-945F).....	13
Rear View (AMI200-953)	15
Rear View (AMI200-970VF).....	17
<i>Specification</i>	19
<i>Mounting AMI200 to the Wall</i>	20
Wall mounting requirements	20
Selecting the location	21
<i>Exploded view of the AMI200 assembly – AMI200-9</i>	22
Parts description	23
<i>Exploded view of the AMI200 assembly – AMI200-8</i>	24
Parts Description	25
<i>Exploded view of the AMI200 assembly – AMI200-945F</i>	26
Parts description	27
<i>Exploded view of the AMI200 assembly – AMI200-953</i>	28
Parts description	29
<i>Exploded view of the AMI200 assembly – AMI200-970</i>	30
Parts description	31
<i>Driver Installation</i>	32
<i>BIOS Setup</i>	32

Safety Information

Your AMI200 series 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

Federal Communications Commission Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference, and
- This device must accept any interference received including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with manufacturer's instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

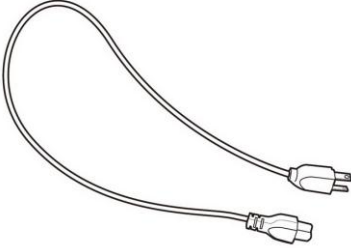

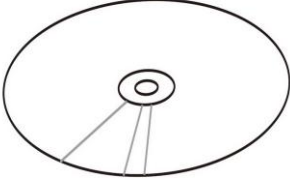
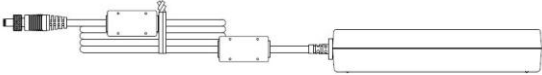
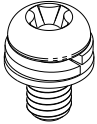
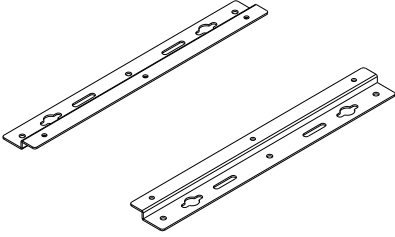
CAUTION: Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.

CE Mark Warning

This is a Class B product, in a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.



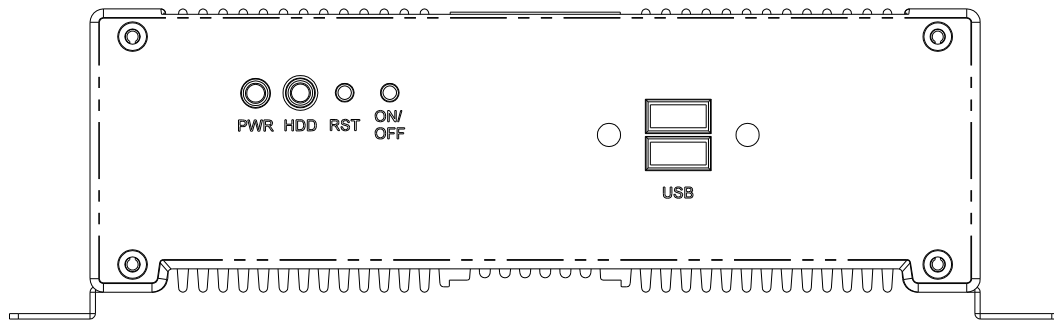
Accessories

 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 power cord on one side and a DC output connector on the other.
c. Driver CD x 1	d. Power Brick x 1
 A screw with a hexagonal head and a threaded shaft.	 Two long, narrow metal rails with several pre-drilled holes 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

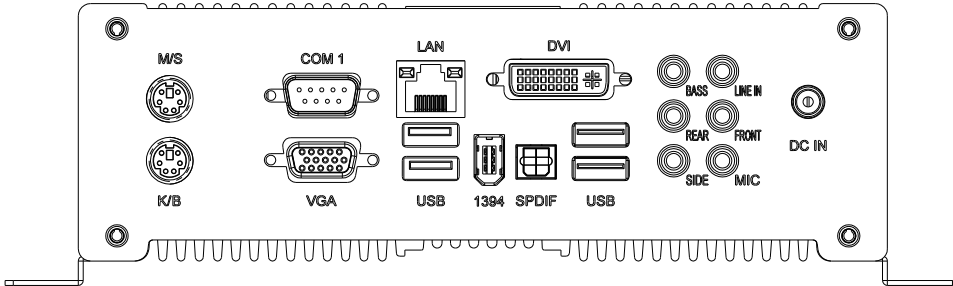
The power switch allows powering ON and OFF the system.

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.

Rear View (AMI200-9)

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.

1394

IEEE 1394 interface connector.

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

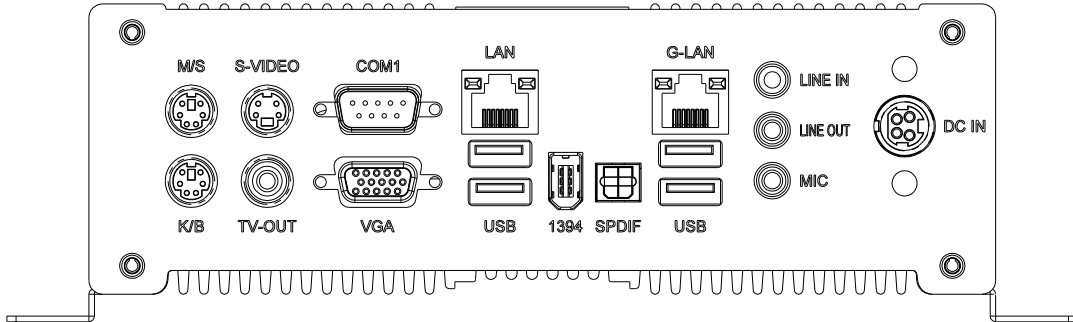
Analog audio output connector. Please refer M/B manual to connect analog audio signal out to get stereo or 5.1 channels signal.

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 (AMI200-8)

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.

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.

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

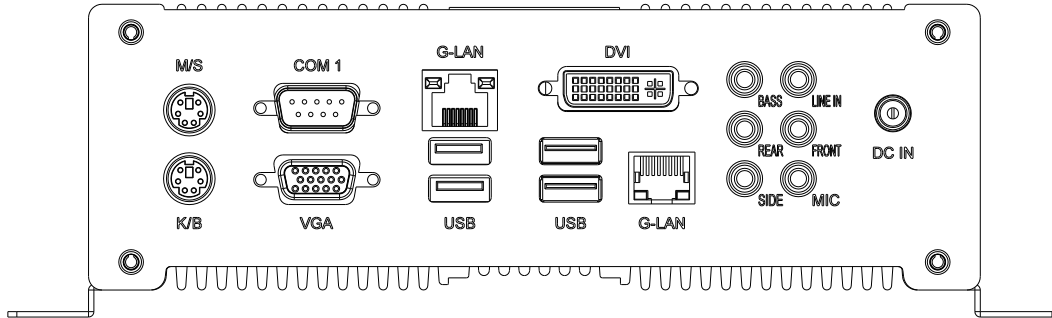
The microphone jack is designed to connect the microphone used for video conferencing, voice narrations, or simple audio recordings.

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.

Rear View (AMI200-945F)

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.

G-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.

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

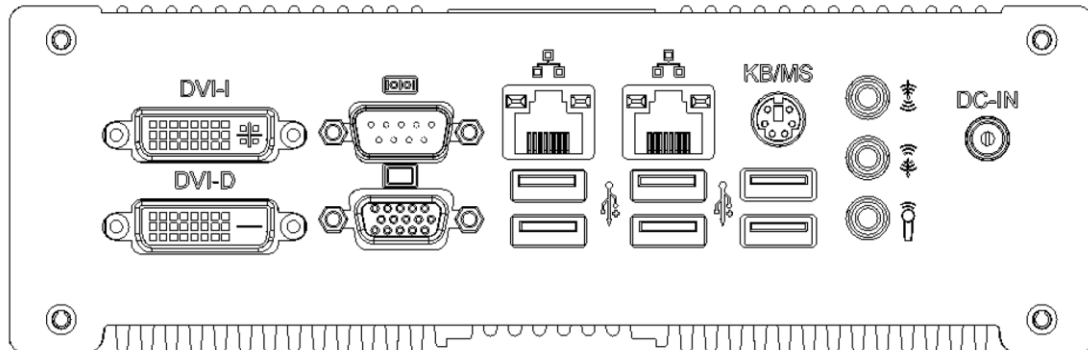
Analog audio output connector. Please refer M/B manual to connect analog audio signal out to get stereo or 5.1 channels signal.

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 (AMI200-953)

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



COM1, Communication or serial port one is compatible with RS-232 interface.



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



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



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.

KB / MS

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

DVI-D / DVI-I

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.

DVI-D only contain digital TMDS signal without analog VGA compatible single in it.



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.



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



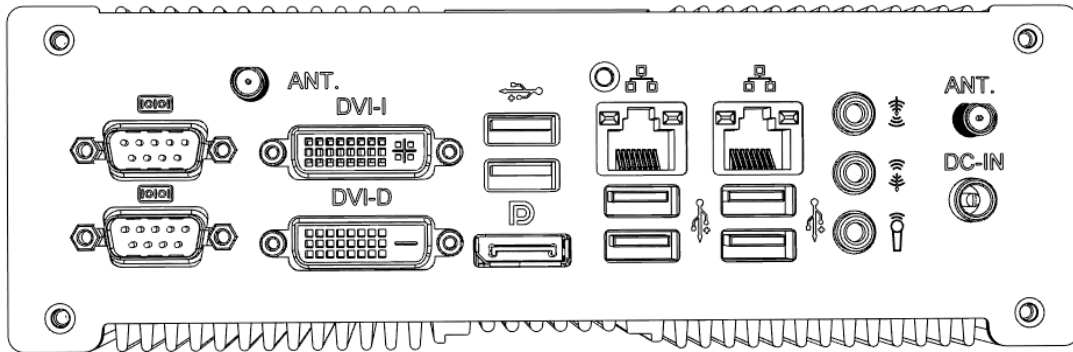
The microphone jack is designed to connect the microphone used for video conferencing, voice narrations, or simple audio recordings.

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.

Rear View (AMI200-970VF)

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



COM1 & 2, Communication or serial port one is compatible with RS-232 interface.

DVI-D / DVI-I

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.

DVI-D only contain digital TMDS signal without analog VGA compatible single in it.



The Super Speed USB (Universal Serial Bus) port (Ver. 3.0). The maximum data transmission speed up to 5 Gbit/s.



DisplayPort is a digital display interface and primarily used to connect a monitor.



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



The USB (Universal Serial Bus) port (High-speed) 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.



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.



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



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.

ANT.

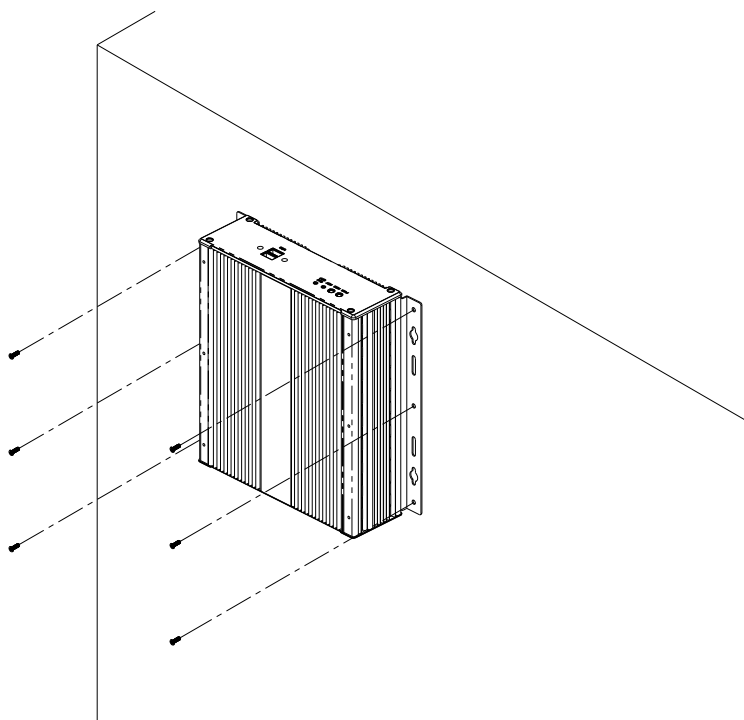
Two SMA male antenna connectors opening for Wireless LAN, 3G or GPS antenna connection.

Specification

System Mainboard	MI910E / MB899EF / MI945F / MI953AF / MI970VF
Construction	Aluminum
Chassis Color	Silver
Storage	2.5" SATA HDD/SSD x 1
Mounting	Desktop or wall mount
Dimensions	199(W) x 63.4(H) x 232(D)mm (7.83" x 2.57" x 9.13")
Power Supply	84W DC adapter
Operating Temperature	0°C ~ 45°C (32°F ~ 113°F)
Storage Temperature	-20°C ~ 80°C
Relative Humidity	5~95% @45°C (non-condensing)
Vibration	HDD: 0.25g/5~500Hz random operation
Shock	HDD: 15g peak acceleration (11 msec duration)
RoHS	Available

· This specification is subject to change without prior notice.

Mounting AMI200 to the Wall



Using attached mounting rail, you can install AMI200 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 AMI200 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.

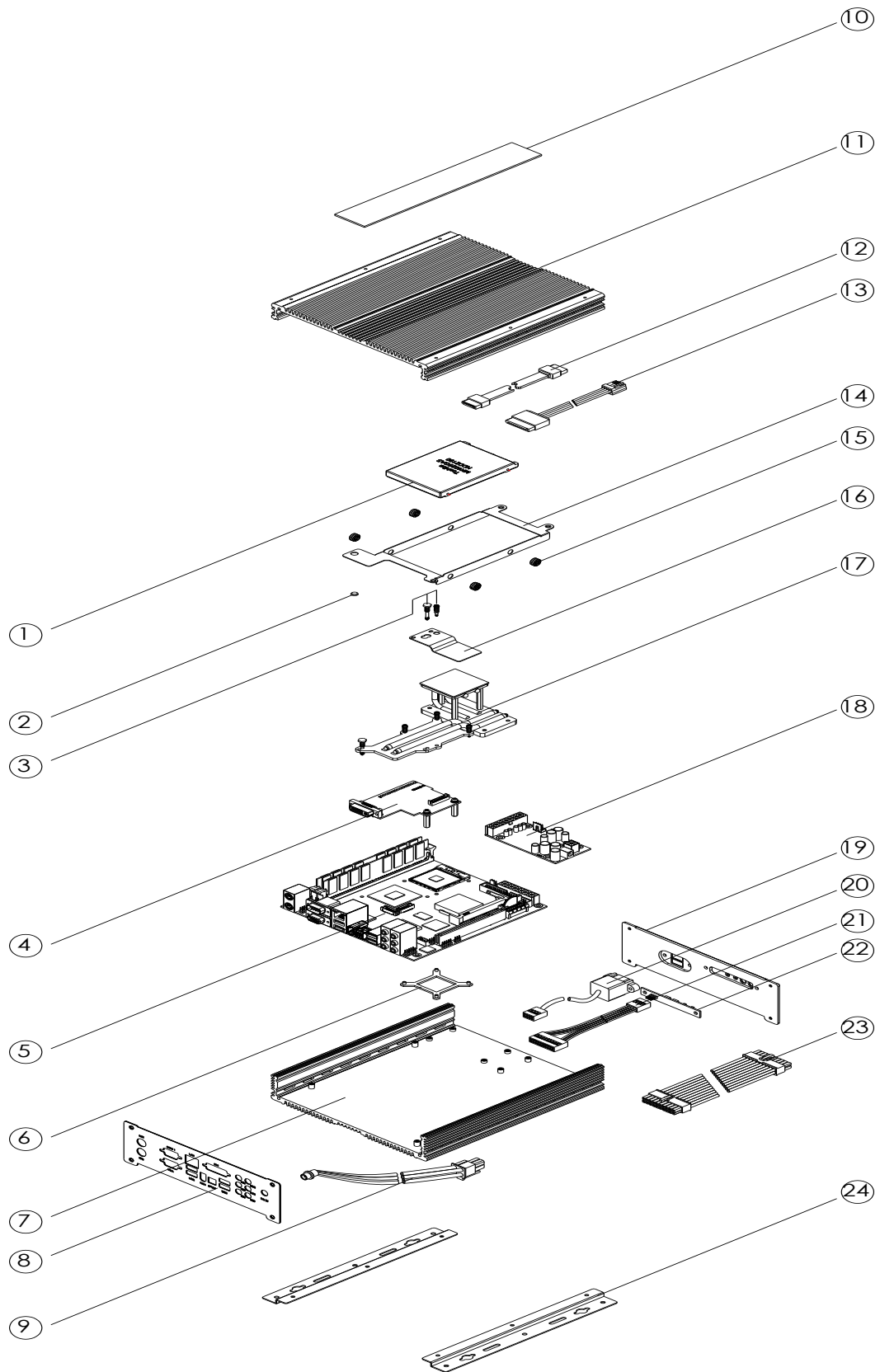
Mounting to a solid concrete or brick wall - Mounts on a flat smooth surface.

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.

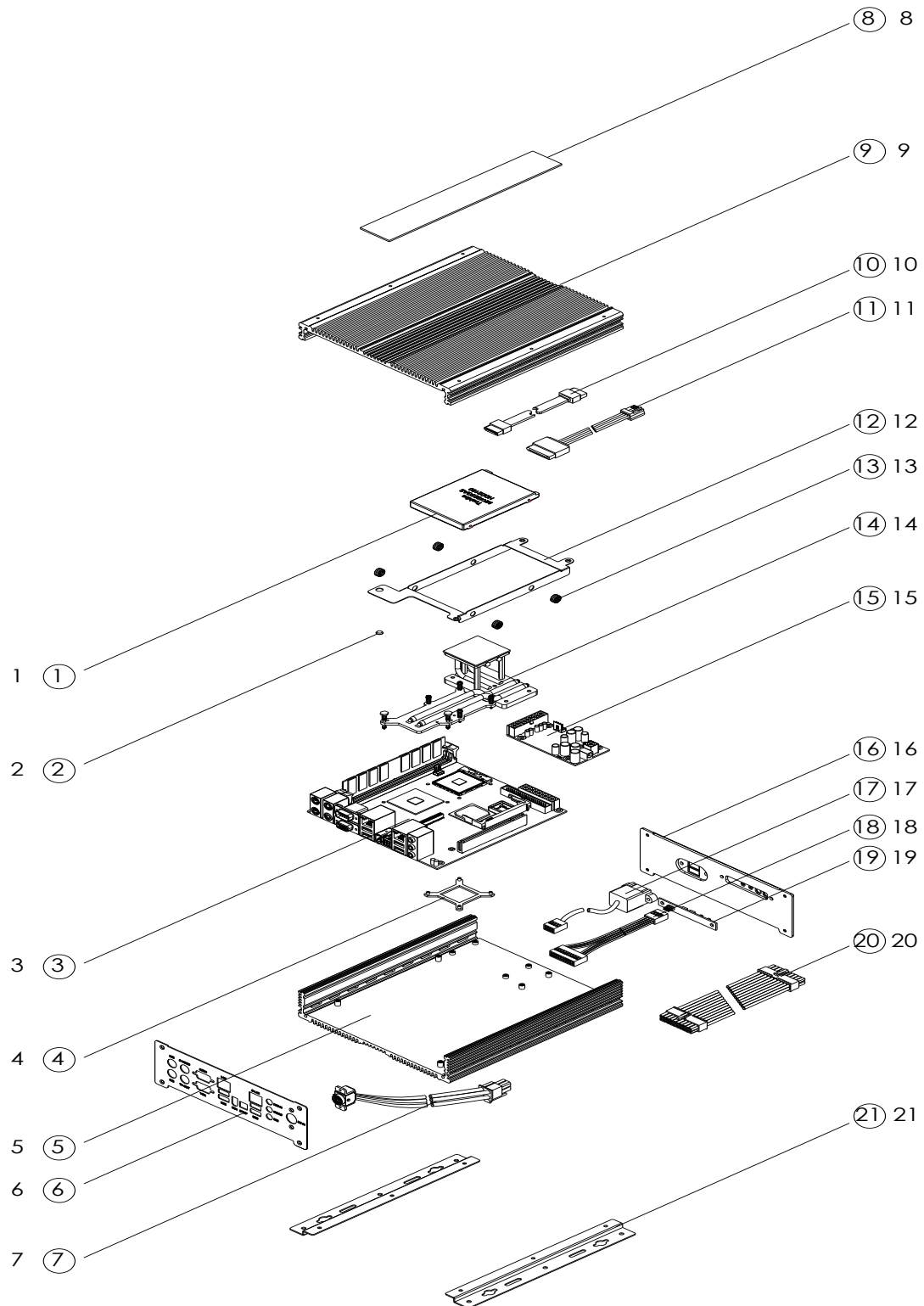
Exploded view of the AMI200 assembly – AMI200-9



Parts description

Part NO.	Description	Part NO.	Description
1	HDD	2	HDD bracket rubber foot
3	Screws for SB heat sink	4	ID392 DVI board
5	MI910E	6	CPU FAN bracket
7	Bottom chassis	8	Rear panel
9	DC extension cable	10	Name panel
11	Top chassis	12	SATA signal cable
13	SATA power cable	14	HDD bracket
15	Anti-Vibrate grommet	16	Southbridge heat sink
17	Heat pipe	18	ID450
19	Front panel	20	USB extension cable
21	Control panel cable	22	IB881-SW Board
23	ATX power extension cable	24	Mounting rail

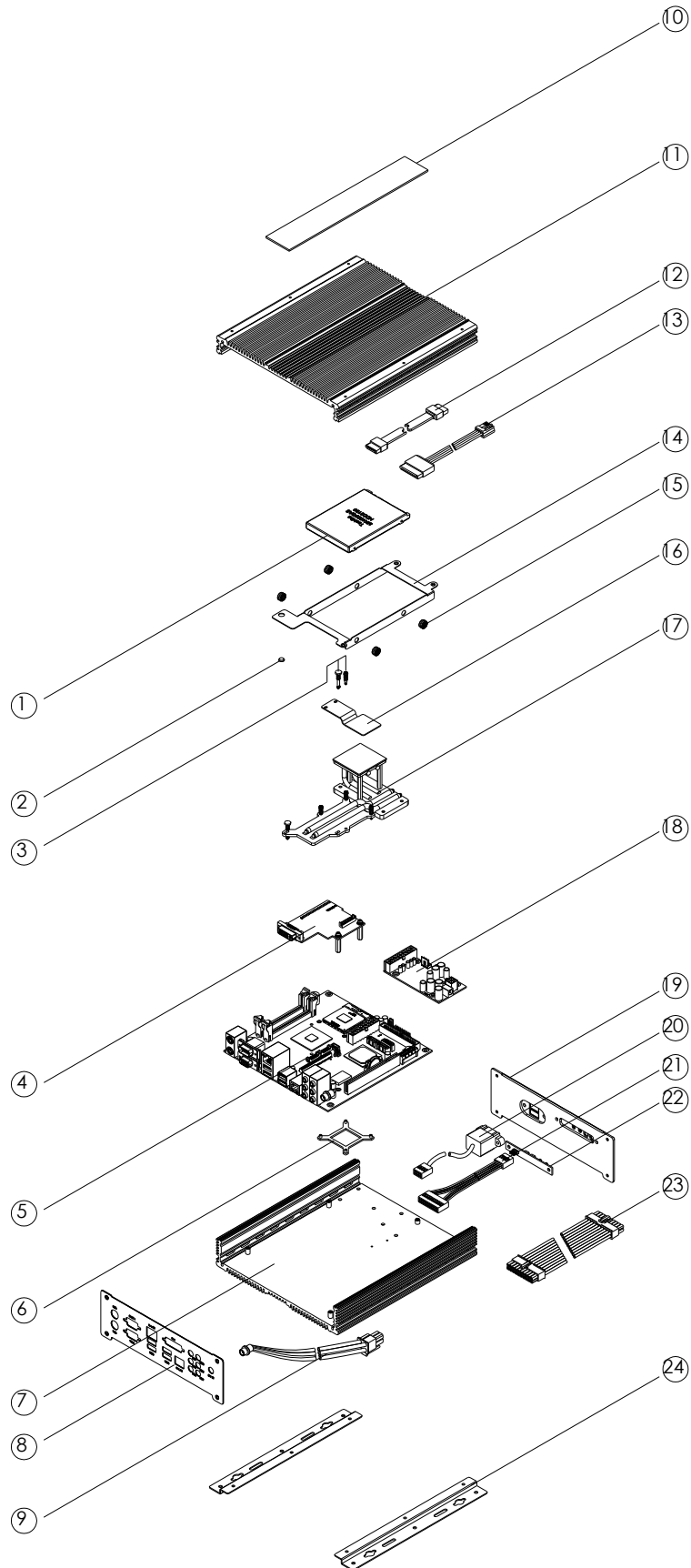
Exploded view of the AMI200 assembly – AMI200-8



Parts Description

Part NO.	Description	Part NO.	Description
1	HDD	2	HDD bracket rubber foot
3	MB899EF	4	CPU FAN bracket
5	Bottom chassis	6	Rear panel
7	DC extension cable	8	Name panel
9	Top chassis	10	SATA signal cable
11	SATA power cable	12	HDD bracket
13	Anti-Vibrate grommet	14	Heat pipe
15	ID450	16	Front panel
17	USB extension cable	18	Control panel cable
19	IB881-SW Board	20	ATX power extension cable
21	Mounting rail		

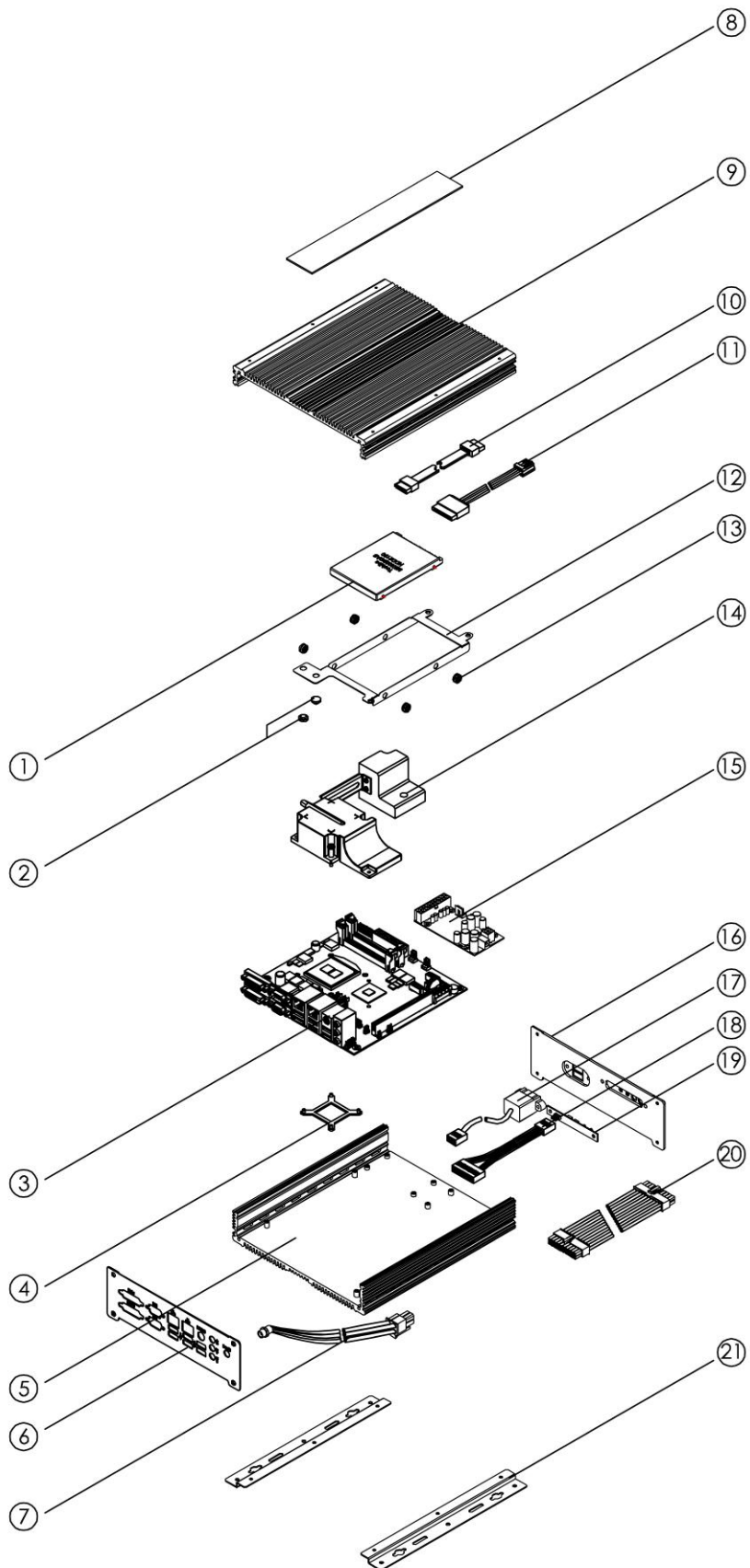
Exploded view of the AMI200 assembly – AMI200-945F



Parts description

Part NO.	Description	Part NO.	Description
1	HDD	2	HDD bracket rubber foot
3	Screws for SB heat sink	4	ID392 DVI board
5	MI945F	6	CPU FAN bracket
7	Bottom chassis	8	Rear panel
9	DC extension cable	10	Name panel
11	Top chassis	12	SATA signal cable
13	SATA power cable	14	HDD bracket
15	Anti-Vibrate grommet	16	Southbridge heat sink
17	Heat pipe	18	ID450
19	Front panel	20	USB extension cable
21	Control panel cable	22	IB881-SW Board
23	ATX power extension cable	24	Mounting rail

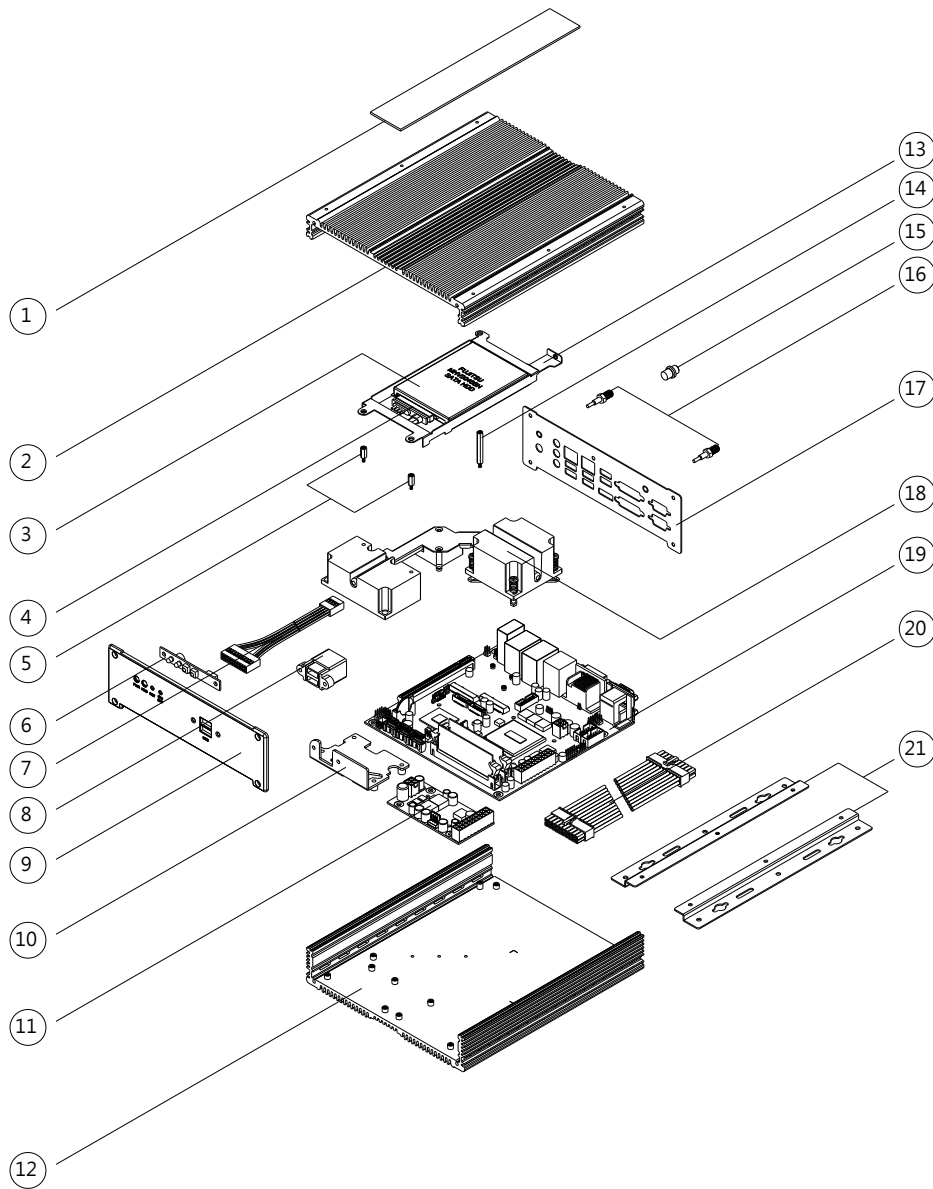
Exploded view of the AMI200 assembly – AMI200-953



Parts description

Part NO.	Description	Part NO.	Description
1	HDD	2	HDD bracket rubber foot
3	MI953AF	4	CPU heatsink bracket
5	Bottom chassis	6	Rear panel
7	DC extension cable	8	Name panel
9	Top chassis	10	SATA signal cable
11	SATA power cable	12	HDD bracket
13	Anti-Vibrate grommet	14	Heat pipe
15	ID450	16	Front panel
17	USB extension cable	18	Control panel cable
19	IB881-SW Board	20	ATX power extension cable
21	Mounting rail		

Exploded view of the AMI200 assembly – AMI200-970



Parts description

Part NO.	Description	Part NO.	Description
1	Name panel	2	Top chassis
3	HDD / SSD	4	SATA signal/PWR cable
5	HDD bracket supporter	6	IB881-SW Board
7	Control panel cable	8	USB extension cable
9	Front panel	10	ID452 Heat-spreader
11	ID452	12	Bottom chassis
13	HDD bracket	14	HDD bracket supporter
15	DC extension cable	16	Antenna
17	Rear panel	18	Heat pipe module
19	MI970VF	20	ATX power extension cable
21	Mounting rail		

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.