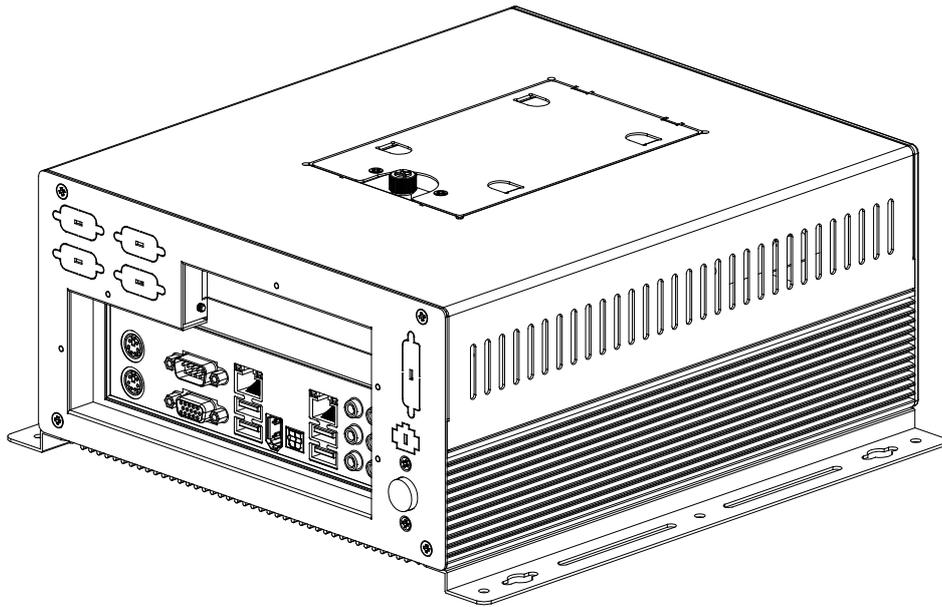


AMI400 Series User Manual



2009 April V2.0

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Table of Contents

<i>Accessories</i>	6
<i>Components</i>	7
Front View	7
Rear View (AMI400-9)	8
Rear View (AMI400-8)	10
<i>Specification</i>	12
<i>Mounting AMI400 to the Wall</i>	14
Wall mounting requirements	15
Selecting the location	16
<i>Exploded view of the AMI400 assembly – AMI400-9</i>	17
Parts description	18
<i>Exploded view of the AMI400 assembly – AMI400-8</i>	19
Parts Description	20
<i>Driver Installation</i>	22
<i>BIOS Setup</i>	23

Safety Information

Your AMI400/401 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.

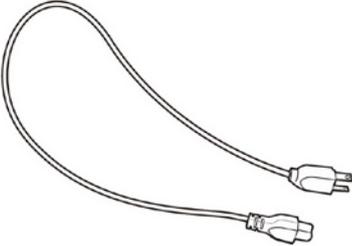
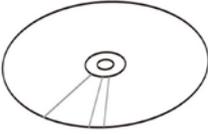
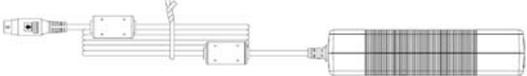
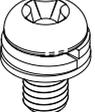
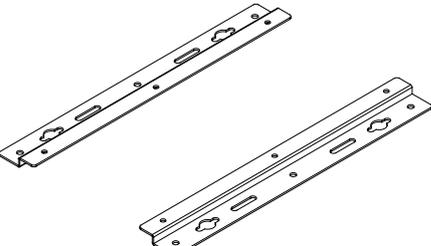
Lithium-Ion Battery Warning

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

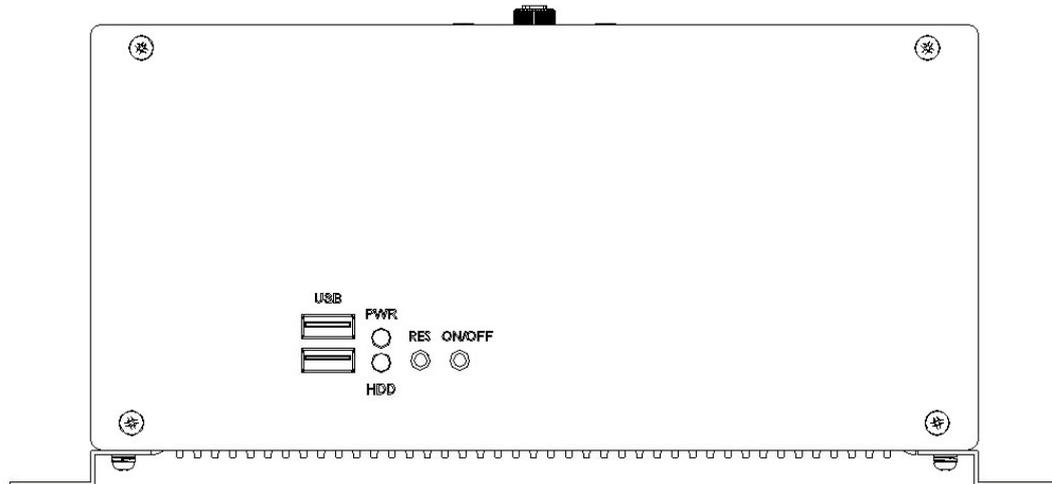
Accessories

 A power cord with a standard two-prong AC power plug on one end and a smaller, specialized connector on the other.	 A small, rectangular booklet 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 wide, flat, circular head and a threaded shaft.	 Two long, thin metal rails with several pre-drilled 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.

RES

The reset switch allows reset the system.

ON/OFF

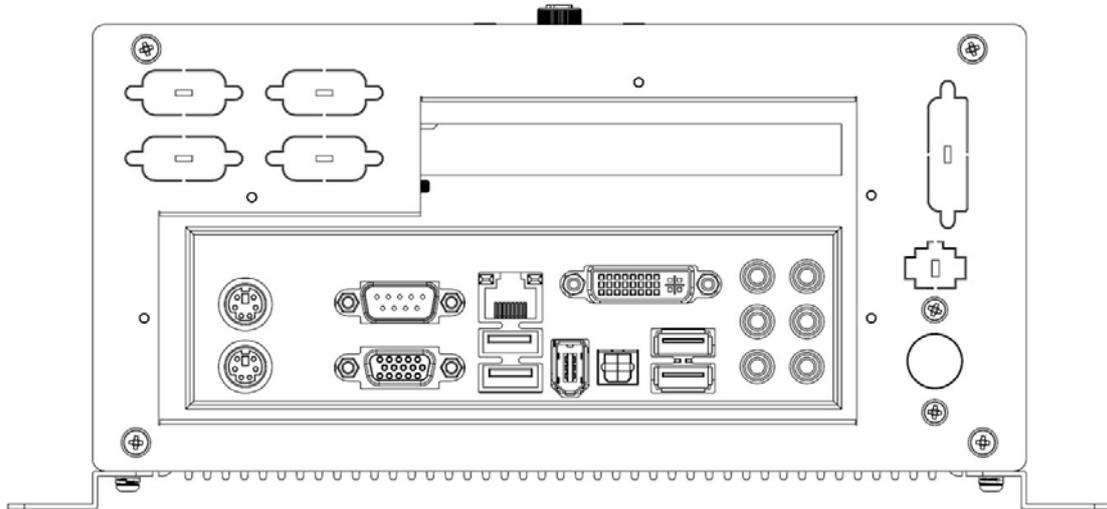
The power switch allows powering ON and OFF the system.

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 (AMI400-9)

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.

PCI SLOT

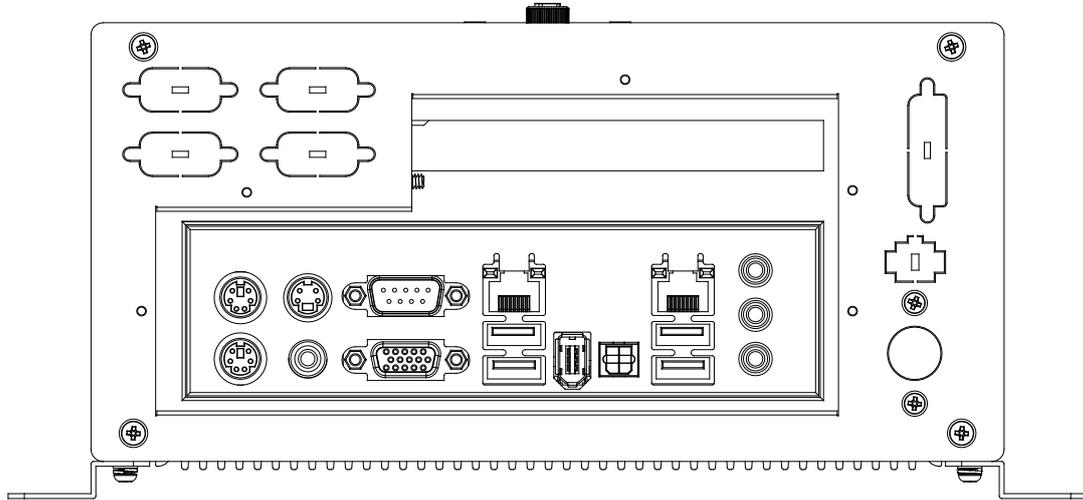
There is one 33MHz/32bit standard PCI slot for half size PCI card expansion.

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 (AMI400-8)

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.

PCI SLOT

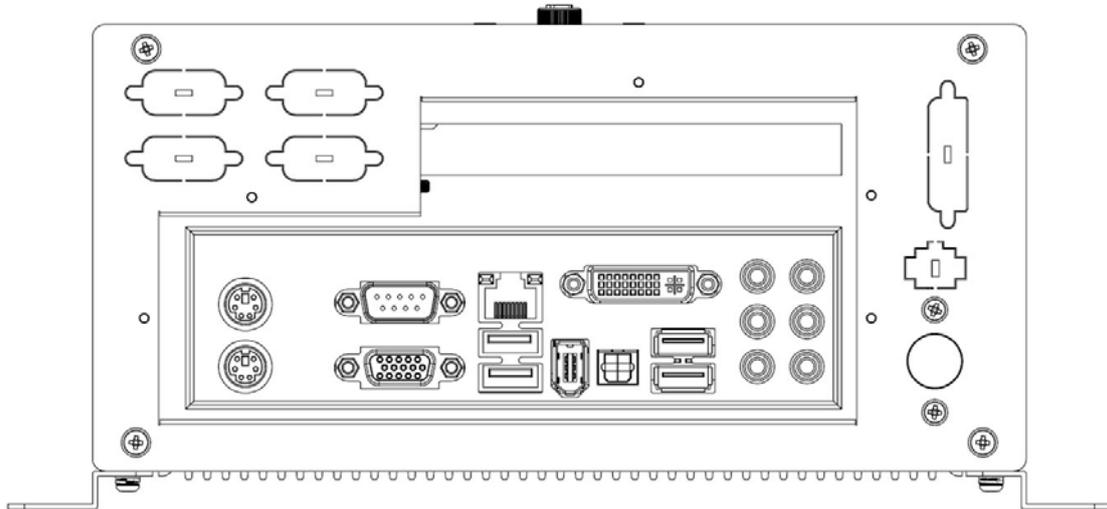
There is one 33MHz/32bit standard PCI slot for half size PCI card expansion.

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 (AMI401-945F-D1)

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.

PCI SLOT

There is one 33MHz/32bit standard PCI slot for half size PCI card expansion.

DC IN

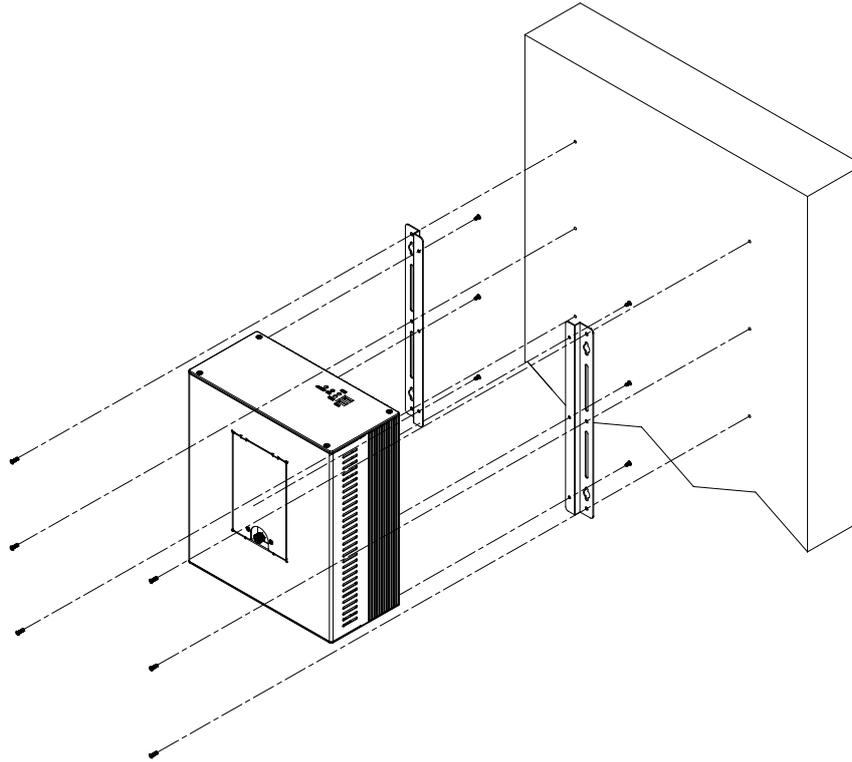
The supplied power adapter converts AC power to DC power for use with this jack. Power supplied through this jack supplies power to the system. To prevent damage to the system, always use the supplied power adapter.

Specification

System Mainboard	MI910E / MB899EF / MI945F
Construction	Aluminum
Chassis Color	Silver
Storage	2.5" 80GB SATA HDD x 1
Mounting	Desktop or wall mount
Dimensions	226(W) x 109(H) x 263.5(D)mm (8.9" x 4.29" x 10.37")
Power Supply	150W 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
RoHS	Available

· This specification is subject to change without prior notice.

Mounting AMI400 to the Wall



Using attached mounting rail, you can install AMI400 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 AMI400 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.

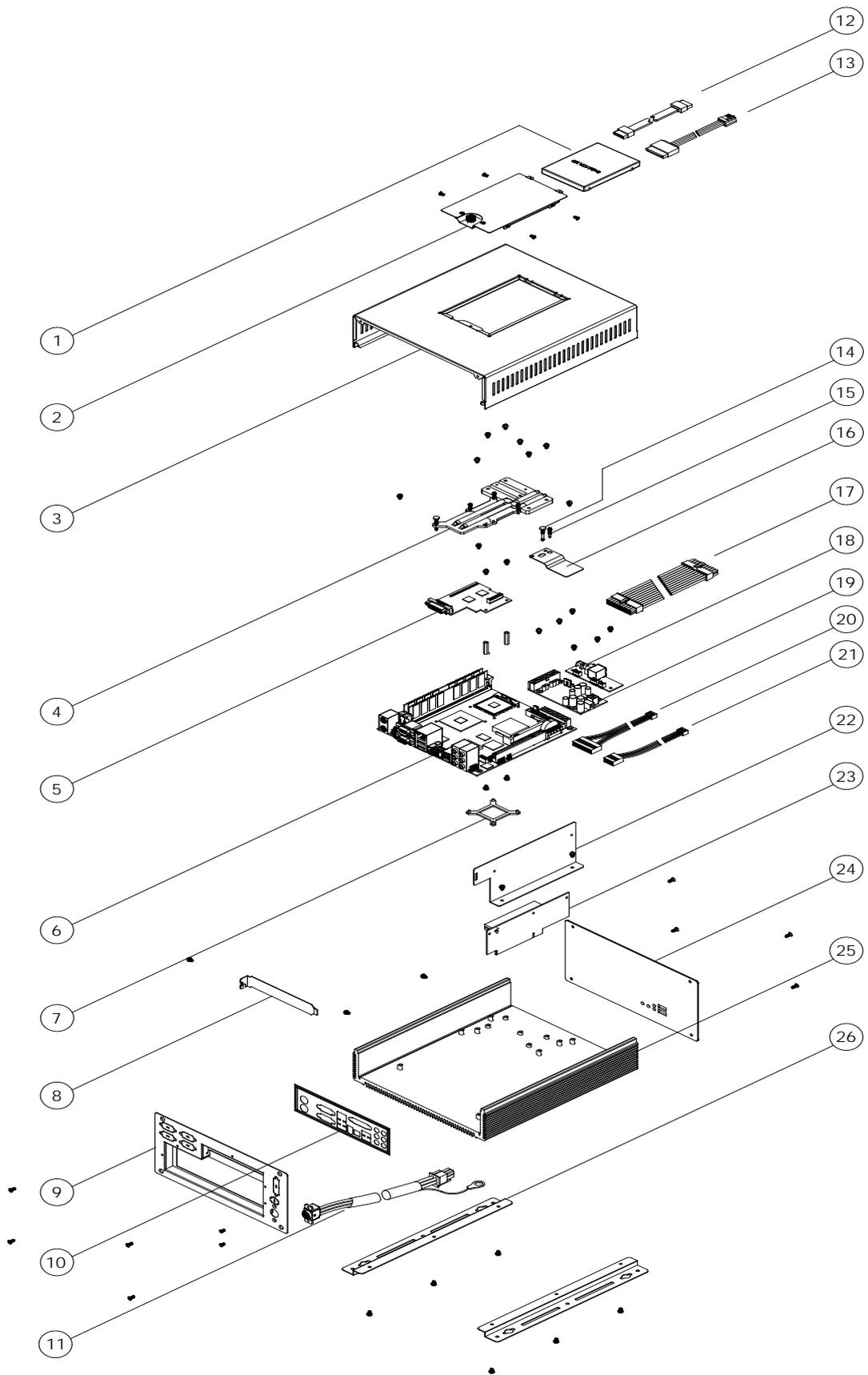
Mounting to a solid concrete or brick wall - Mounts on a flat smooth surface.

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.

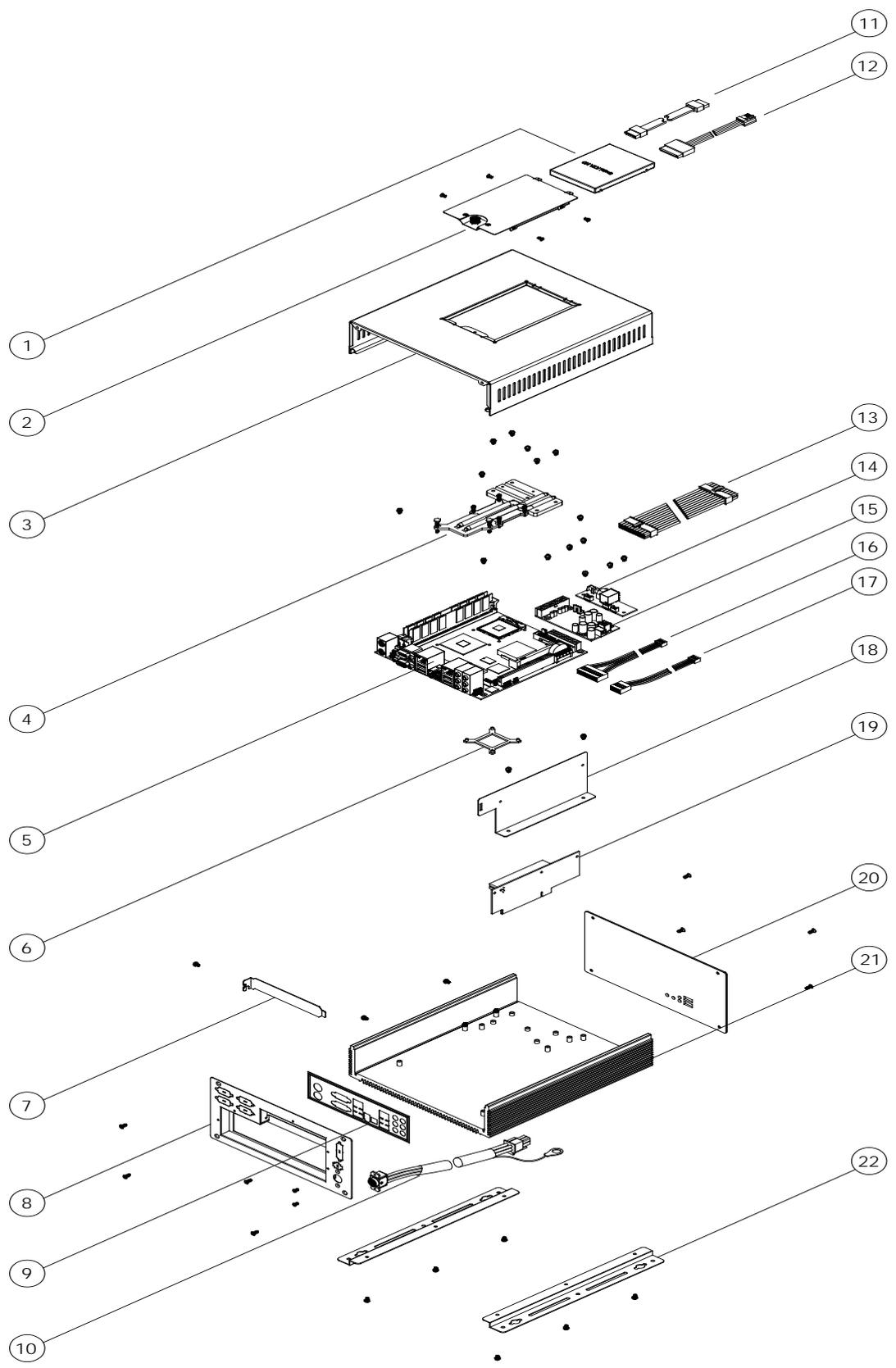
Exploded view of the AMI400 assembly – AMI400-9



Parts description

Part NO.	Description	Part NO.	Description
1	HDD	2	HDD Cover
3	Top chassis	4	Heat pipe
5	ID392 DVI board	6	MI910E
7	CPU FAN bracket	8	PCI Bracket
9	Rear panel	10	MI910E I/O Shield
11	DC extension cable	12	SATA signal cable
13	SATA power cable	14	Screws for SB heat sink
15	Screws for SB heat sink	16	Southbridge heat sink
17	ATX power extension cable	18	ID737
19	I D450	20	Control panel cable
21	USB extension cable	22	PCI Expansion Card Bracket
23	IP115	24	Front panel
25	Bottom chassis	26	Mounting rail

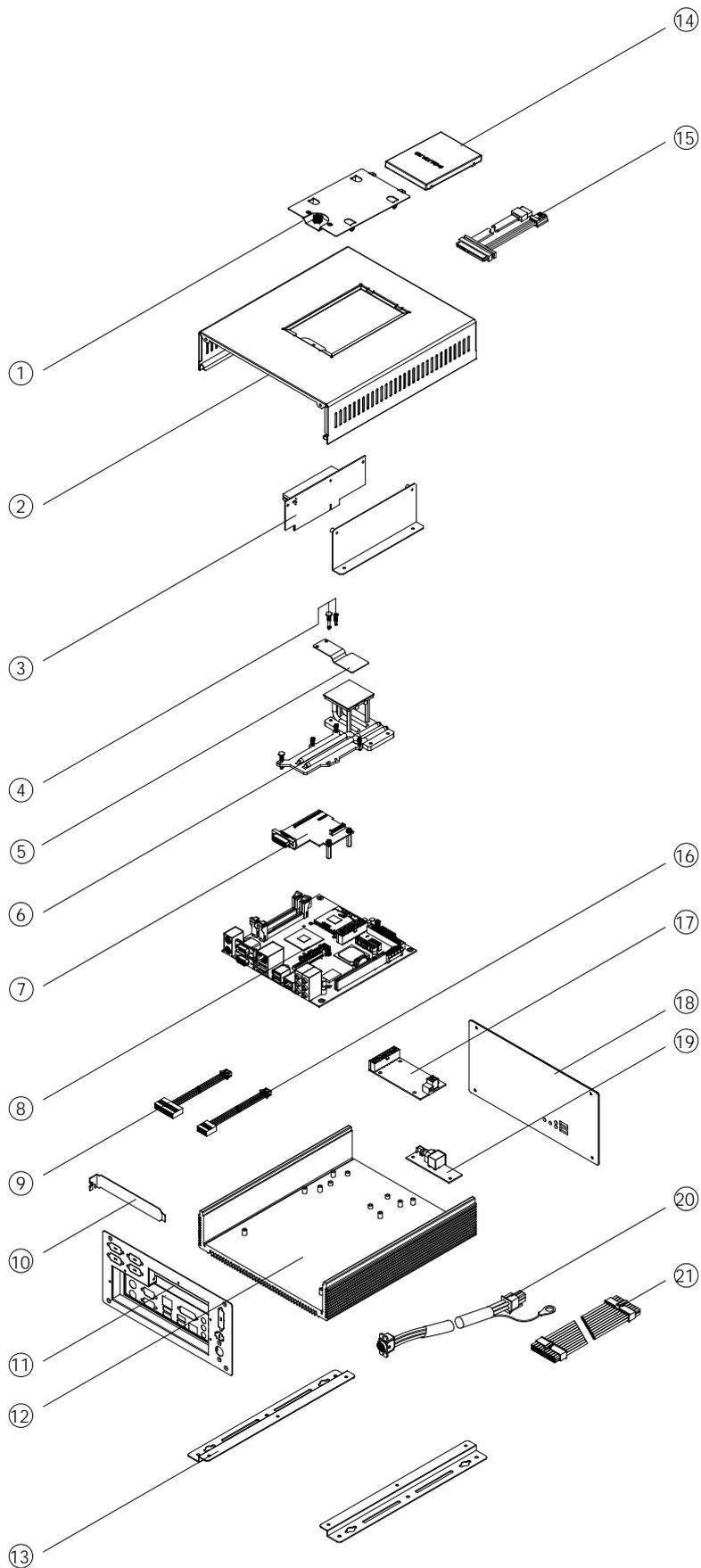
Exploded view of the AMI400 assembly – AMI400-8



Parts Description

Part NO.	Description	Part NO.	Description
1	HDD	2	HDD Cover
3	Top chassis	4	Heat pipe
5	MB899EF	6	CPU FAN bracket
7	PCI Bracket	8	Rear panel
9	MB899EF I/O Shield	10	DC extension cable
11	SATA signal cable	12	SATA power cable
13	ATX power extension cable	14	ID737
15	I D450	16	Control panel cable
17	USB extension cable	18	PCI Expansion Card Bracket
19	IP115	20	Front panel
21	Bottom chassis	22	Mounting rail

Exploded view of the AMI400 assembly – AMI400-945F-D1



Parts Description

Part NO.	Description	Part NO.	Description
1	HDD Cover	2	Top chassis
3	IP115	4	Screw for SB heat sink
5	Southbridge heat sink	6	Heat pipe
7	ID392 DVI board	8	MI945F
9	Control panel cable	10	PCI Expansion Card Bracket
11	Rear panel w/ I/O Shield	12	Bottom chassis
13	Mounting rail	14	HDD
15	SATA cable	16	USB extension cable
17	ID450	18	Front panel
19	ID737	20	DC extension cable
21	ATX power 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.