

BBS-2017

**Fanless, Box PC
with VIA V4 Eden 1GHz CPU,
CF, 40W P/S**

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Edition 1.0, May 14, 2009***

Table of Contents

Chapter 1	General Description	1
1.1	Major Features	2
1.2	Specifications	2
1.3	Dimensions	3
Chapter 2	Unpacking	5
2.1	Opening the Delivery Package.....	5
2.2	Inspection.....	5
Chapter 3	Hardware Installation	7
3.1	SBC Installation.....	7
3.2	HDD Installation.....	8
3.3	Power Supply Installation.....	9
3.4	Cover Installation	9
3.5	RAM Cover Installation	10

Declaration of Conformity -- CE Mark

BOSER Technology hereby acknowledges that compliance testing in accordance with applicable standards of the EU's EMC Directive, 89/336/EEC, was successfully completed on a sample of the equipment identified below:

Equipment Class:	<i>Information Technology Equipment</i>
Product Model Series:	<i>BBS-2017</i>
This Product Complies With:	<i>EN55022: Class A for Radiated emissions</i>
	<i>EN50082-2: Heavy Industrial EMC Immunity</i>

We, the undersigned, hereby declare that the equipment specified above conforms to the above directives and standards.

Manufacturer:
BOSER TECHNOLOGY CO., LTD.

Safety Instructions

The safety recommendations outlined in this section are to be read, understood and followed before operating the product. Keep this information in a safe place for future reference. Failure to comply with any of the following safety procedures could result in serious damage.

- **Do not operate product for any purposes other than its intended use**
- **This product is intended for indoor use only**
- **Do not operate product if power cord is damaged in anyway**
- **Do not insert objects into openings**
- **Do not immerse product in water or permit liquids to spill inside**
- **Turn off power when unattended or not in use. Unplug product before moving it or when it is not in use for an extended period of time. The socket-outlet shall be installed near the equipment and shall be easily accessible**
- **Do not alter or extend electric plug. Plug is configured for appropriate electrical supply**
- **Do not overload electrical outlets beyond their capacity as this can result in a fire**

NOTE: *DO NOT TOUCH THE PRODUCT OR ANY OTHER SENSITIVE COMPONENTS WITHOUT ALL NECESSARY ANTI-STATIC PROTECTIONS.*

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Chapter 1

General Description

BBS-2017
Fanless, Box PC with VIA V4 Eden
1GHz CPU, CF, 40W P/S



The BBS-2017 series is an industrial-grade Box PC. The rear design of BBS-2017 series come with easy assembly when needed. It also supports various mounting solution for different application.

This model can be accommodated with BOSER's 3.5" SBC. The BBS-2017 series provides CF, CRT, dual LAN, DVI, MIC In, Line In, Line Out, COM x 2, USB2.0 x 6 and KB/MS ports.

- The BBS-2017 series is IBM PC/AT compatible and can draw from a large body of hardware and software resources worldwide.
- Variety of operation system can be used in BBS-2017
- The BBS-2017 can be use widely such as, Digital signage, Factory Automation, oil Industry, Entertainment, and transportation, etc...
- You can select a mainboard from various range to meet your optimal configuration and budget.

1.1 Major Features

The BBS-2017 series comes with the following features:

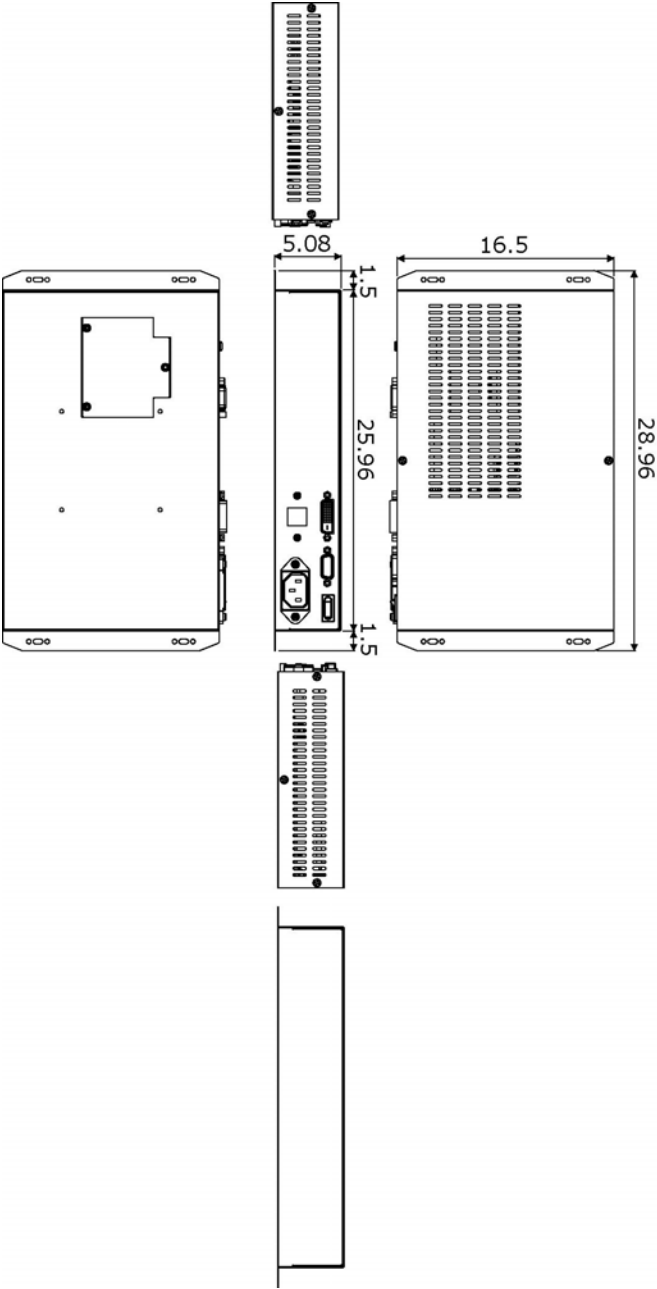
- Fanless, box PC design
- Built-in HS-2622/VIA V4 Eden 1GHz CPU, 40W P/S
- I/O On Back Panel:
COM x 2, DVI, USB2.0 x 6, CRT, CF, LAN x 2, MIC In, Line In, Line Out,
KB/MS
- 2.5" HDD space x 1

1.2 Specifications

BBS-2017-H

- **CPU:** VIA V4 Eden 1GHz CPU
- **Memory:** 1 x 200-pin SO-DIMM socket DDR2 400/533 SDRAM
max. up to 1GB memory
- **Chipset:** VIA CX700(M)
- **Display:** Onboard graphics controller, provides DVI and CRT
display interface
- **Ethernet:** Onboard dual 10/100 Based LAN controller
- **Audio:** Onboard 7.1+2H audio codec
- **Storage:**
Type I/II CF adapter x 1
2.5" HDD space x 1
- **Serial Port:** 2 ports
- **USB:** USB2.0 port x 6
- **Keyboard/Mouse:** PS/2 6-pin Mini DIN
- **BIOS:** Award BIOS with 4Mb Flash EEPROM
- **Watchdog Timer:** Reset: 1 sec. ~ 255 min. and 1 sec. or 1
min./step
- **Power In:** 40W open frame power supply
- **Temperature:** 0~+45°C (operating); -20~+70°C (storage)
- **Dimensions:** 28.96(L) x 5.08(H) x 16.5(W) cm

1.3 Dimensions



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Chapter 2

Unpacking

2.1 Opening the Delivery Package

The BBS-2017 is packed with an anti-static bag. The board contains sensitive electrical components that are easily damaged by static (electricity). Do not remove the anti-static wrapping until proper grounding have been taken. Safety instruction has been described the anti-static precautions and procedures in the previous.

2.2 Inspection

After unpacking the Panel PC, place it on a raised surface and carefully inspect the board for any damage that might have occurred during shipment. Ground the board and exercise extremely careful to prevent and damage to the board from static.

Integrated circuits will sometimes come out of their sockets during shipment. Examine all integrated circuits, particularly the BIOS, processor, memory modules, ROM-Disk, and keyboard controller chip to ensure that they are firmly seated. The BBS-2017 series delivery package contains the following items:

- BBS-2017 x 1
- Power Cable x 1
- Mainboard Driver CD x 1
- System Board User's Manual x 1
- BBS-2017 User's Manual x 1

It is recommended that user keeps all the parts of the delivery package intactness and store them in a safe/dry place for any require the returning the product. In case you find any missing and/or damaged items from the list, please contact your dealer or sale representatives immediately.

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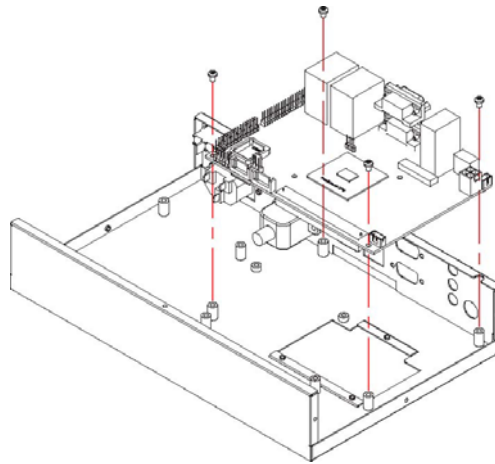
Chapter 3

Hardware Installation

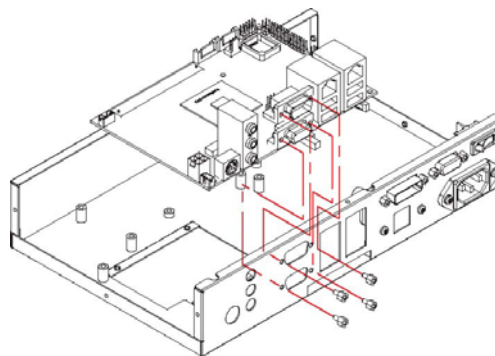
This chapter illustrates how to install components into the compact PC system. External interface please refers to system board's manual.

3.1 SBC Installation

1. Install the SBC with chassis.



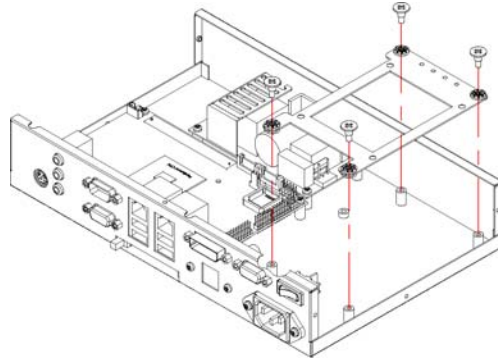
2. Use four screws install SBC with front panel.



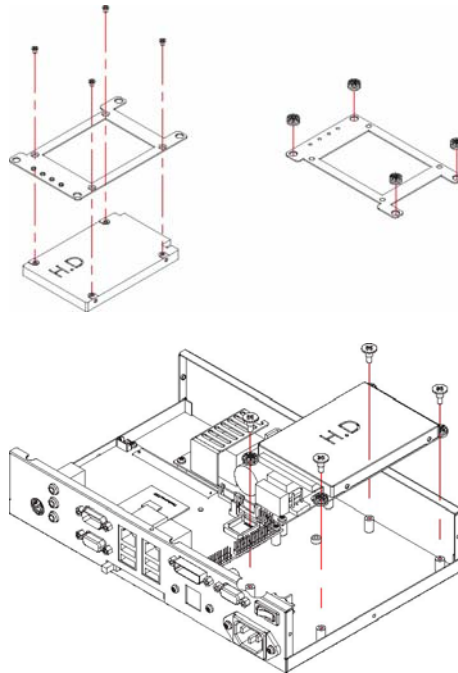
NOTE: Please check system board user manual for connector installation.

3.2 HDD Installation

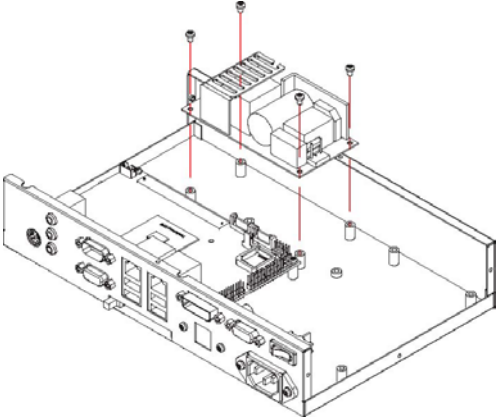
1. Remove the HDD drive bay holding bracket.



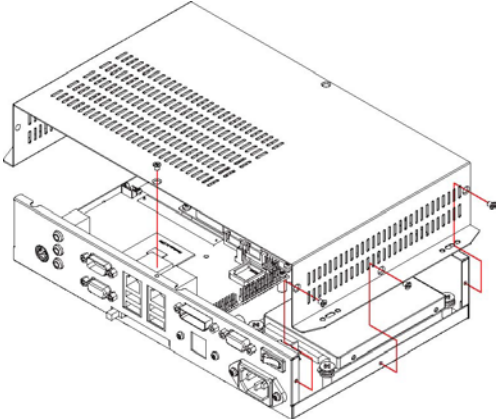
2. Install the holding bracket with HDD, then re-install HDD drive bay back to chassis.

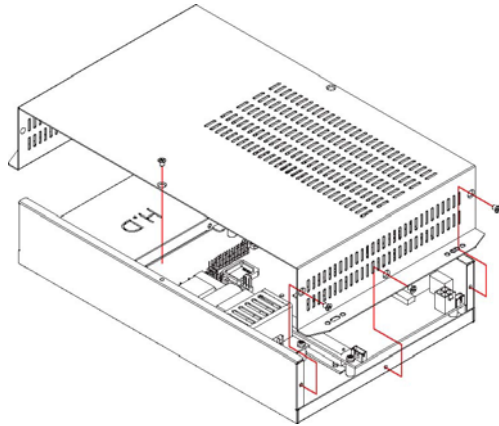


3.3 Power Supply Installation



3.4 Cover Installation





3.5 RAM Cover Installation

