

SOPM-HM65

2nd/3rd Gen Intel® Core™ Open Pluggable Specification
(OPS) Digital Signage Player with Intel® HM65 Chipset

Quick Reference Guide

1st Ed – 20 October 2014

Copyright Notice

Copyright © 2014 Avalue Technology Inc., ALL RIGHTS RESERVED.

FCC Statement



THIS DEVICE COMPLIES WITH PART 15 FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS:

- (1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE.
- (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRE OPERATION.

THIS EQUIPMENT HAS BEEN TESTED AND FOUND TO COMPLY WITH THE LIMITS FOR A CLASS "A" DIGITAL DEVICE, PURSUANT TO PART 15 OF THE FCC RULES.

THESE LIMITS ARE DESIGNED TO PROVIDE REASONABLE PROTECTION AGAINST HARMFUL INTERFERENCE WHEN THE EQUIPMENT IS OPERATED IN A COMMERCIAL ENVIRONMENT. THIS EQUIPMENT GENERATES, USES, AND CAN RADIATE RADIO FREQUENCY ENERGY AND, IF NOT INSTALLED AND USED IN ACCORDANCE WITH THE INSTRUCTION MANUAL, MAY CAUSE HARMFUL INTERFERENCE TO RADIO COMMUNICATIONS.

OPERATION OF THIS EQUIPMENT IN A RESIDENTIAL AREA IS LIKELY TO CAUSE HARMFUL INTERFERENCE IN WHICH CASE THE USER WILL BE REQUIRED TO CORRECT THE INTERFERENCE AT HIS OWN EXPENSE.

A Message to the Customer

Avalue Customer Services

Each and every Avalue's product is built to the most exacting specifications to ensure reliable performance in the harsh and demanding conditions typical of industrial environments. Whether your new Avalue device is destined for the laboratory or the factory floor, you can be assured that your product will provide the reliability and ease of operation for which the name Avalue has come to be known.

Your satisfaction is our primary concern. Here is a guide to Avalue's customer services. To ensure you get the full benefit of our services, please follow the instructions below carefully.

Technical Support

We want you to get the maximum performance from your products. So if you run into technical difficulties, we are here to help. For the most frequently asked questions, you can easily find answers in your product documentation. These answers are normally a lot more detailed than the ones we can give over the phone. So please consult the user's manual first.

To receive the latest version of the user's manual; please visit our Web site at:

<http://www.avalue.com.tw/>

Content

- 1. Getting Started4**
 - 1.1 Safety Precautions4
 - 1.2 Packing List4
 - 1.3 System Specifications5
 - 1.4 System Overview.....6
 - 1.4.1 Front View 6
 - 1.5 System Dimensions.....7
 - 1.5.1 Front & Top view 7
- 2. Hardware Configuration8**
 - 2.1 Installing Memory & Half size Mini PCI-e device9
 - 2.2 Installing Hard Disk Drive & CPU11

1. Getting Started

1.1 Safety Precautions

Warning!



Always completely disconnect the power cord from your chassis whenever you work with the hardware. Do not make connections while the power is on. Sensitive electronic components can be damaged by sudden power surges. Only experienced electronics personnel should open the PC chassis.

Caution!



Always ground yourself to remove any static charge before touching the CPU card. Modern electronic devices are very sensitive to static electric charges. As a safety precaution, use a grounding wrist strap at all times. Place all electronic components in a static-dissipative surface or static-shielded bag when they are not in the chassis.

1.2 Packing List

- 1 x SOPM-HM65
- 1 x DVD-ROM



If any of the above items is damaged or missing, contact your retailer.

1.3 System Specifications

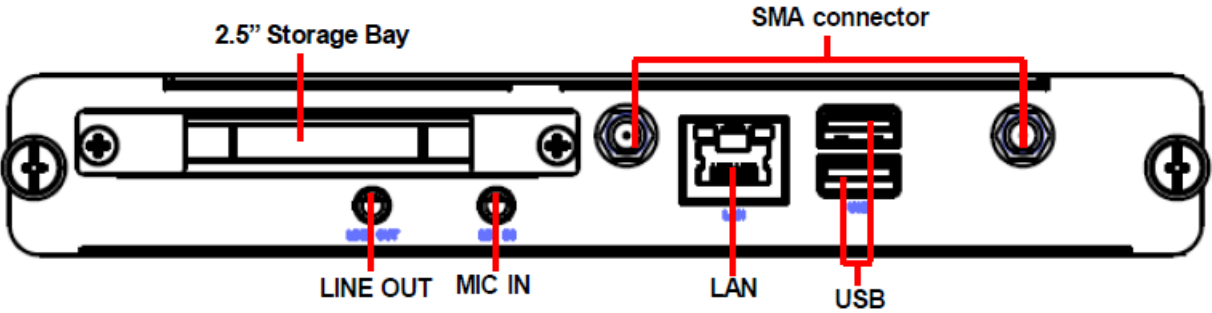
Component	
Mother Board	EPIC board with Intel® HM65 Express Chipset
CPU	Intel® rPGA988 Socket(Socket G2) 2 nd /3 rd Generation Core™ i7/i5/i3, Pentium® and Celeron® Processors (Max TDP 35W)
CPU Cooler (Type)	CPU Fan
Memory	One 204-pin DDR3 1333/ 1066 Non-ECC SODIMM, Up to 8GB
Power Supply	The 80-pin right angle blind mate plug connector (p/n: TX25-80P-LT-H1E)
Adapter	Power: DC IN +12V ~ +19V (from monitor)
Audio	1 x Mic-In, 1 x Line-Out
Wireless LAN	Optional Wireless 802.11 b/g/n (via mini PCI-e or USB)
Expansion Card	1 x Half size Mini PCI-e socket
Storage	
Device bay	Support 1 x 2.5" SATA HDD /SSD (7mm)
External I/O	
USB Port	2 x USB 2.0 type A
Audio Port	Line-out, Mic-In
LAN Port	1 x Realtek RTL8111E PCI-Express Gigabit Ethernet
SAM connector	2 x SMA connector
Audio code	Realtek ALC661 Audio Codec
Mechanical	
Power Type	Single power ATX Support S0, S1, S3, S4, S5
Dimension	200 x 119 x 30mm
Weight	1.9bls (0.86Kgs)
Color	Black
Reliability	
EMI Test	CE/FCC Class A
Operating Temperature	0 ~ 40°C (32 ~ 140°F) (w/HDD), Ambient w/Air Flow
Operating Humidity	-20 ~ 75°C (-4 ~ 167°F)
Storage Temperature	0 ~ 90% Relative Humidity, Non-condensing



Note: Specifications are subject to change without notice.

1.4 System Overview

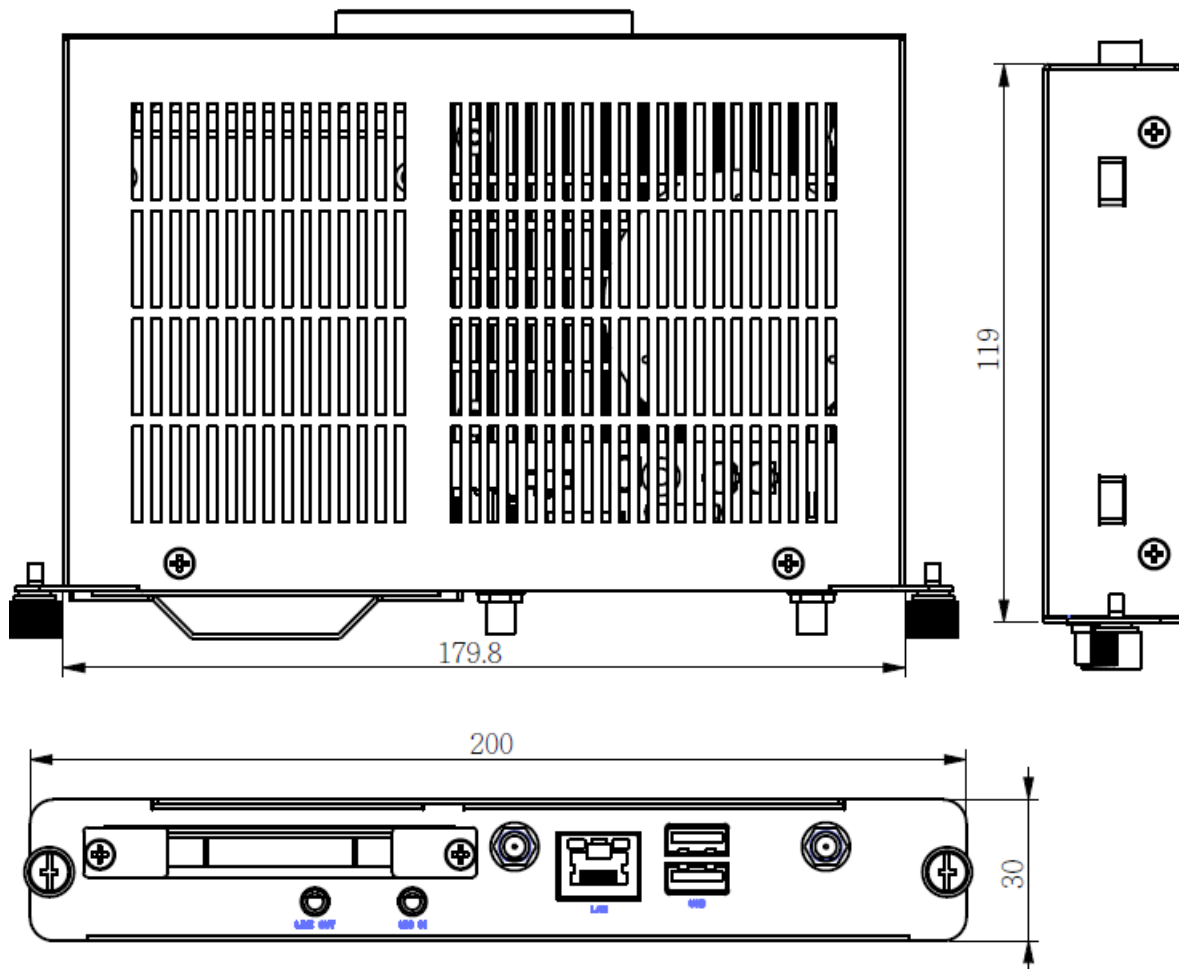
1.4.1 Front View



Connectors		
Label	Function	Note
MIC IN	Microphone-in audio jack	
LINE OUT	Line-out jack	
LAN	RJ-45 Ethernet connector	
USB	2 X USB 2.0 Type A connectors	

1.5 System Dimensions

1.5.1 Front & Top view



(Unit: mm)

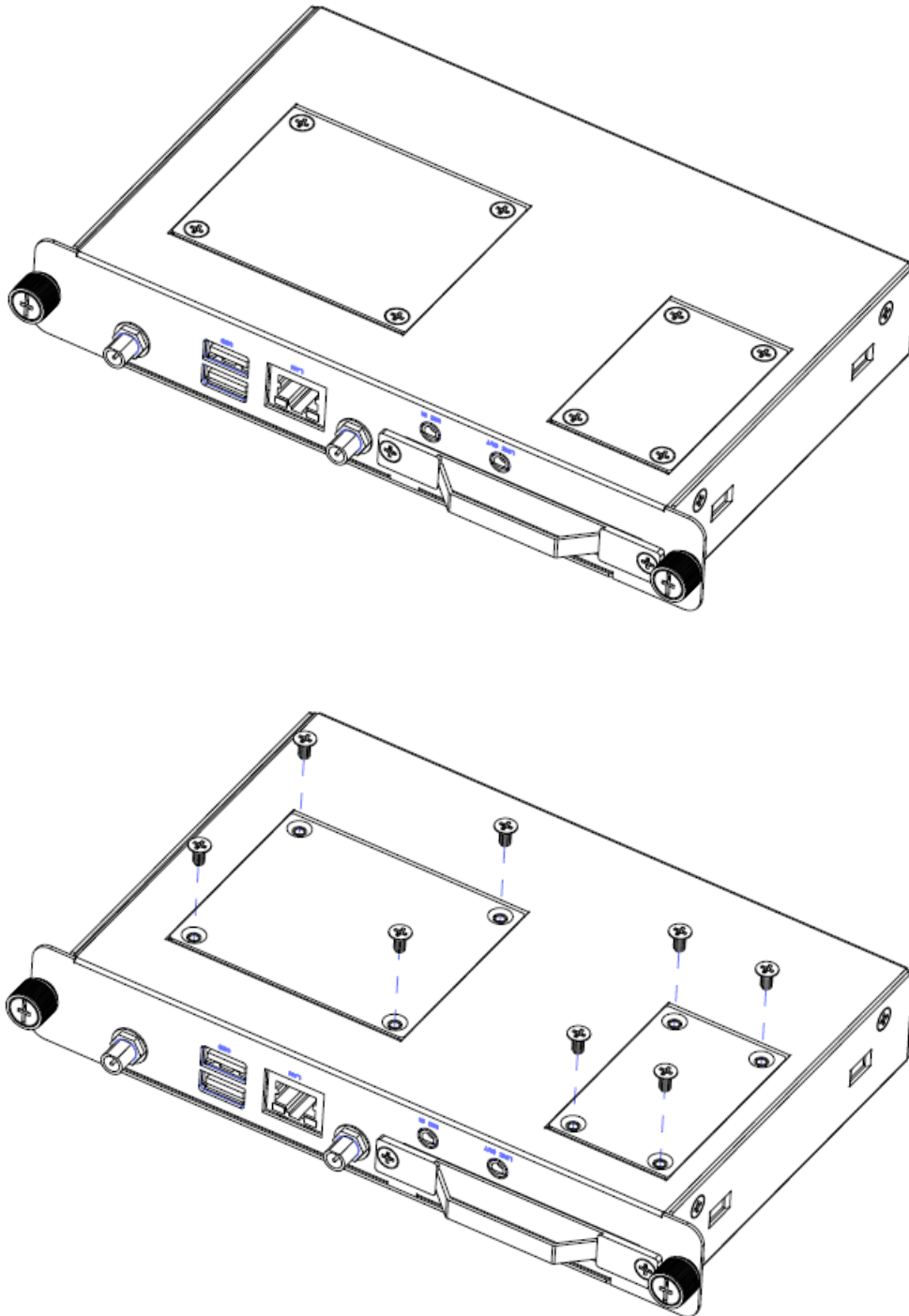
2. Hardware Configuration



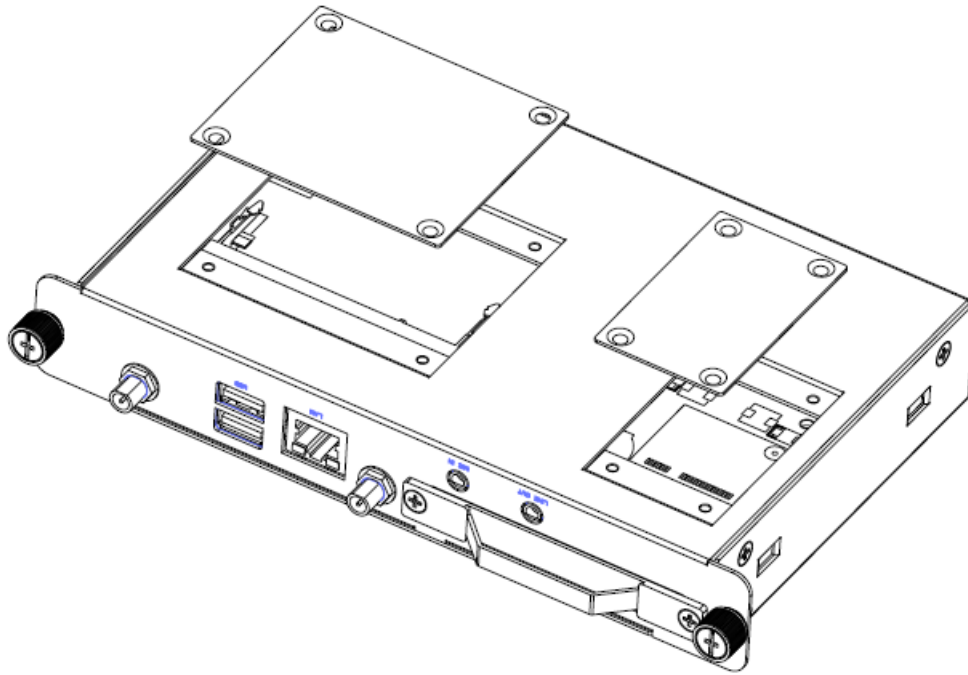
Note: If you need more information, please visit our website:

<http://www.avalue.com.tw>

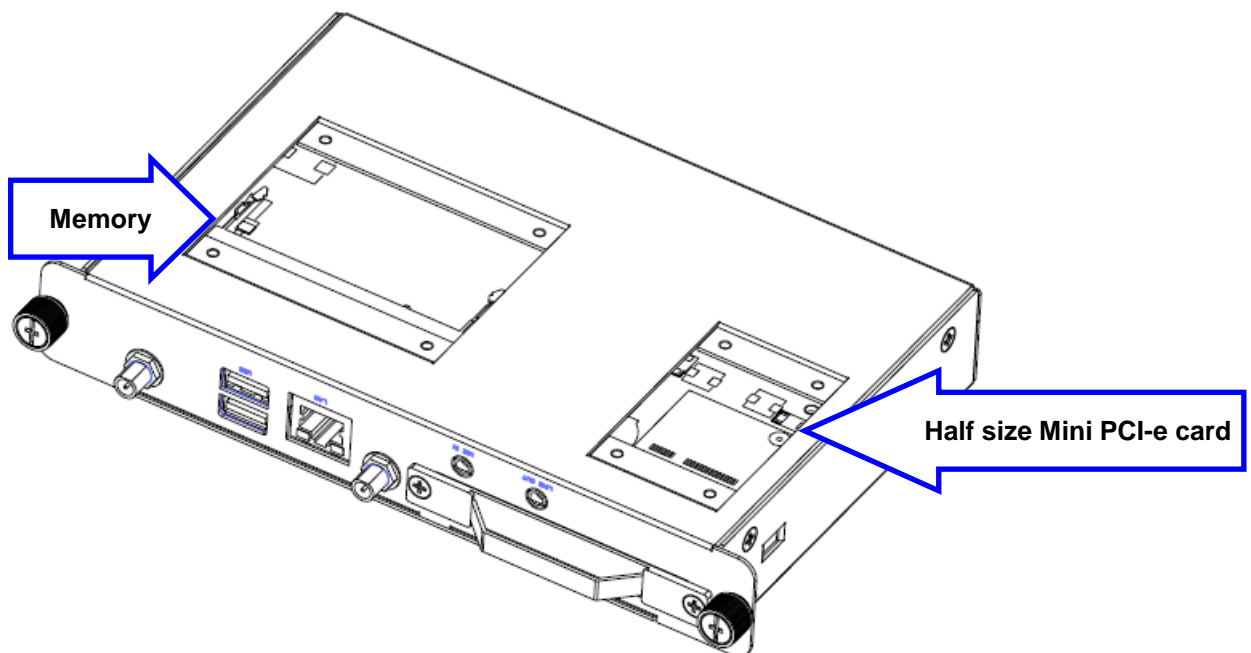
2.1 Installing Memory & Half size Mini PCI-e device



Step1. Remove 8 screws from the bottom of your system.



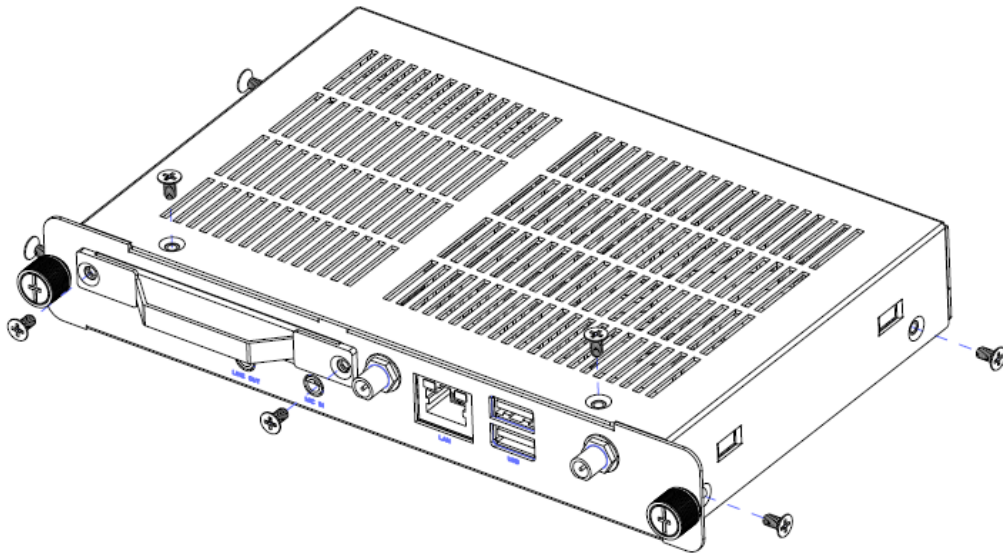
Step2. Remove the chassis.



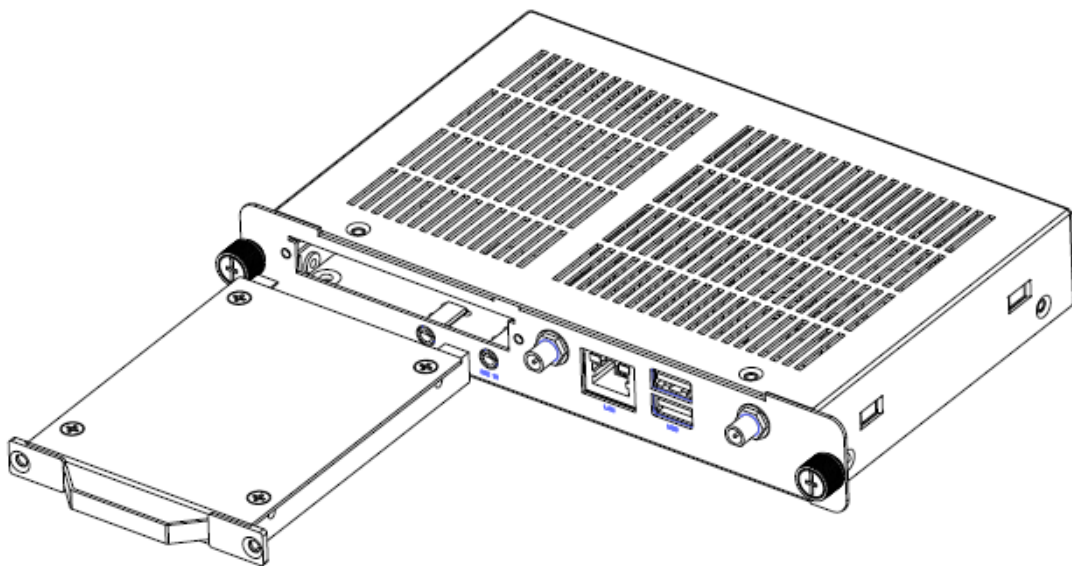
Step3.1 Properly install the Memory & Half size Mini PCI-e device and press until properly seated.

Step3.2 Re-assemble your system back through previous steps to complete the installation.

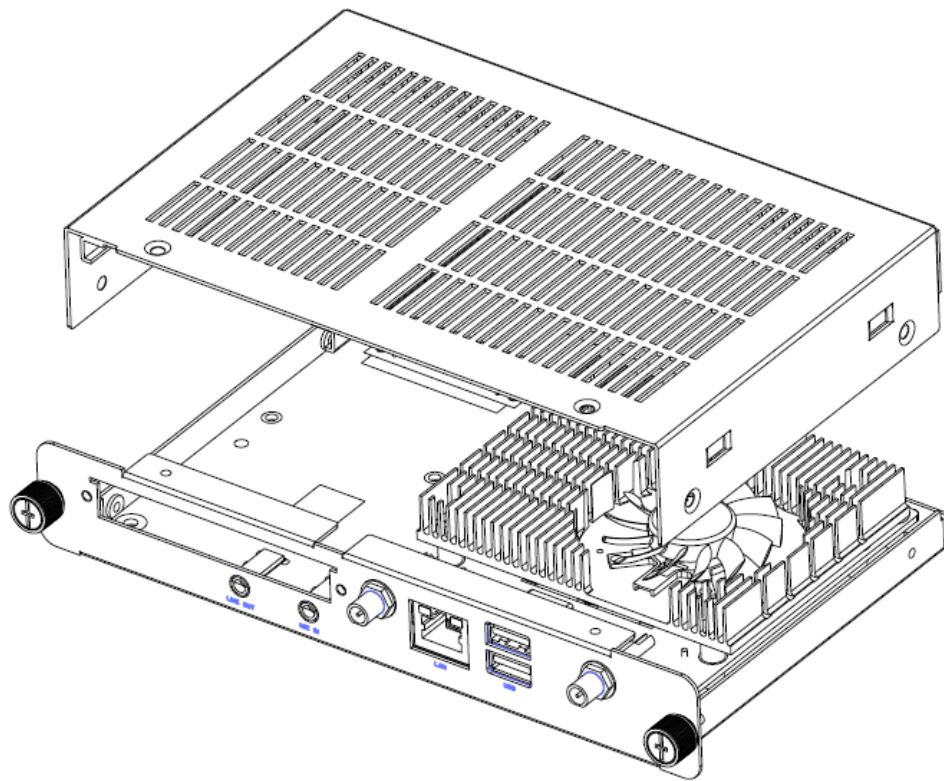
2.2 Installing Hard Disk Drive & CPU



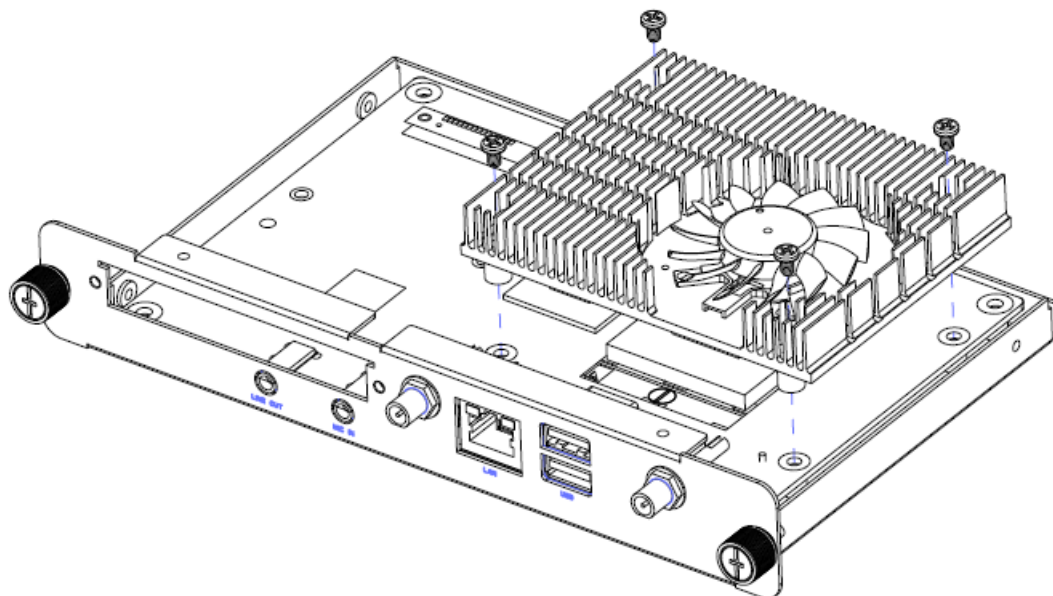
Step1. Remove the screws from the top of your system.



Step2. Remove the screws from Hard Disk Drive.



Step3. Remove the chassis.



Step4. Remove the cooler in order to install CPU.

Step5. Properly install the CPU and press until properly seated.

