P/N: 15G065096001AK V1.1

Quick Installation Guide

C3758D4I-4L / C3558D4I-4L

www.asrockrack.com C3758D4I-4L C3558D4I-4L

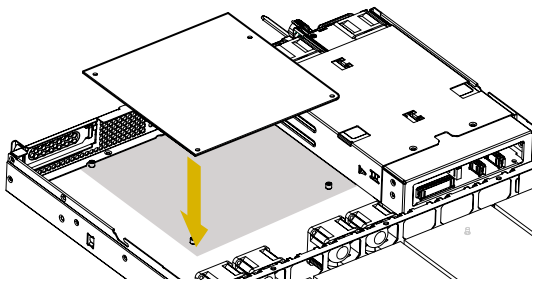
The server board User's Manual is available for download from the ASRock Rack's official website at http://www.asrockrack.com.

Take note of the following precautions before you install server board components or change any server board settings.

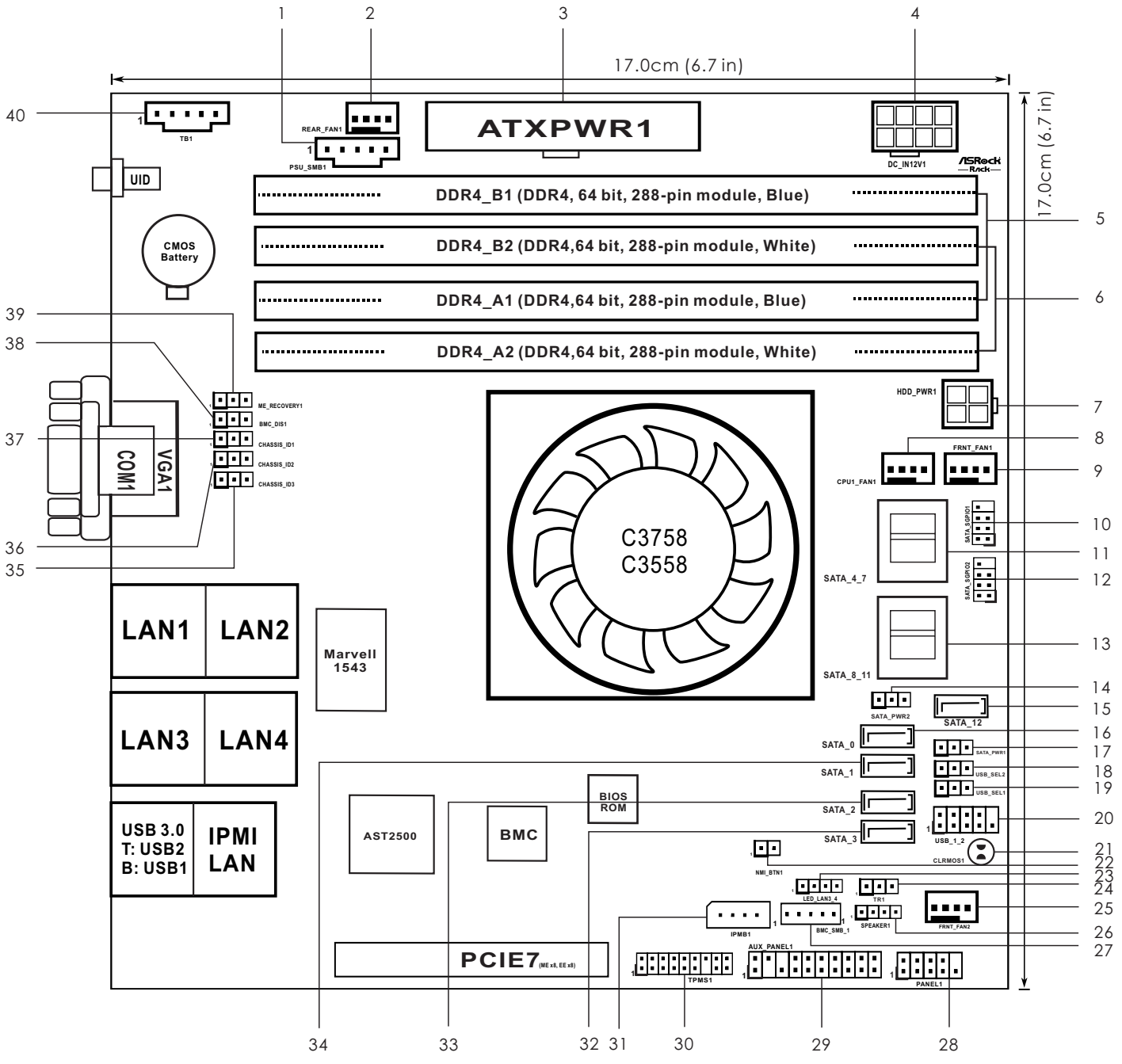
1. Unplug the power cord from the wall socket before touching any components.
2. To avoid damaging the server board's components due to static electricity, NEVER place your server board directly on the carpet or the like. Also remember to use a grounded wrist strap or touch a safety grounded object before you handle the components.
3. Hold components by the edges and do not touch the ICs.
4. Whenever you uninstall any component, place it on a grounded anti-static pad or in the bag that comes with the component.
5. When placing screws into the screw holes to secure the server board to the chassis, please do not over-tighten the screws! Doing so may damage the server board.

1 Install the Server Board

1. Insert the server board into the chassis.
2. Affix the screws clockwise into the mounting holes in all of the corners of the server board.
   Do not over-tighten the screws



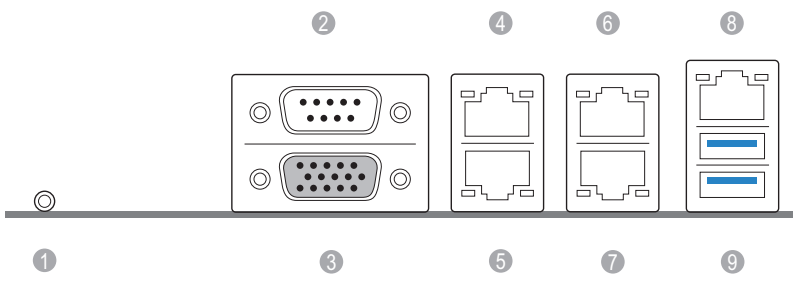
2 Motherboard Layout



No.	Description
1	PSU SMBus (PSU_SMB1)
2	Rear Fan Connector (REAR_FAN1)
3	ATX Power Connector (ATXPWR1)*
4	ATX 12V Power Connector (DC_IN12V1)*
5	2 x 288-pin DDR4 DIMM Slots (DDR4_A1 DDR4_B1)
6	2 x 288-pin DDR4 DIMM Slots (DDR4_A2, DDR4_B2)
7	HDD Power Connector (HDD_PWR1)
8	CPU Fan Connector (CPU1_FAN1)
9	Front Fan Connector (FRNT_FAN1)
10	SATA SGPIO Connector (SATA_SGPIO1)
11	Mini SAS HD Connector (SATA_4_7)
12	SATA SGPIO Connector (SATA_SGPIO2)
13	Mini SAS HD Connector (SATA_8_11)
14	SATA DOM Power Jumper (SATA_PWR1)
15	SATA3 DOM Connector (SATA_12), Red
16	SATA3 DOM Connector (SATA_0), Red
17	SATA DOM Power Jumper (SATA_PWR1)
18	USB Selection Jumper (USB_SEL2)
19	USB Selection Jumper (USB_SEL1)
20	USB 2.0 Header (USB_1_2)**
21	Clear CMOS Pad (CLRMOS1)
22	Non Maskable Interrupt Button (NMI_BTN1)
23	LAN LED Connector (LED_LAN3_4)
24	Thermal Sensor Header (TR1)
25	Front Fan Connector (FRNT_FAN2)
26	Speaker Header (SPEAKER1)
27	BMC SMB Header (BMC_SMB1)
28	System Panel Header (PANEL1)
29	Auxiliary Panel Header (AUX_PANEL1)
30	TPMS Header (TPMS1)
31	Intelligent Platform Management Bus header (IPMB1)
32	SATA3 Connector (SATA_3), White
33	SATA3 Connector (SATA_2), White
34	SATA3 Connector (SATA_1), White
35	Chassis ID Jumper (CHASSIS_ID3)
36	Chassis ID Jumper (CHASSIS_ID2)
37	Chassis ID Jumper (CHASSIS_ID1)
38	Enable/Disable BMC Jumper (BMC_DIS1)
39	ME Recovery Jumper (ME_RECOVERY1)
40	Thunderbolt AIC Connector (TB1)

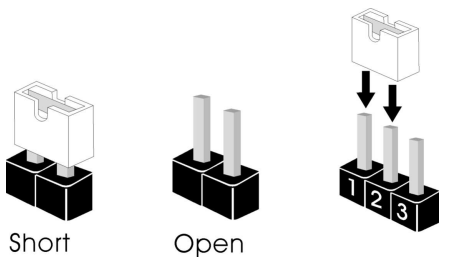
**Please use either the ATX 12V Power Connector (DC_IN12V1) or the ATX Power Connector (ATXPWR1) at one time. Do not connect them both simutaneously.*
*** The USB3_2 port on the rear I/O is shared with the USB_1_2 header on the motherboard. Please refer to the User Manual for jumper setup information.*

3 I/O Panel



No.	Description	No.	Description
1	UID Switch (UID)	6	LAN RJ-45 Port (LAN4)
2	COM Port (COM1)	7	LAN RJ-45 Port (LAN3)
3	VGA Port (VGA1)	8	Dedicated IPMI LAN Port
4	LAN RJ-45 Port (LAN2)	9	USB 3.0 Ports (USB3_12)*
5	LAN RJ-45 Port (LAN1)		**The USB3_2 port on the rear I/O is shared with the USB_1_2 header on the motherboard. (Default is set to the USB_1_2 header.)*

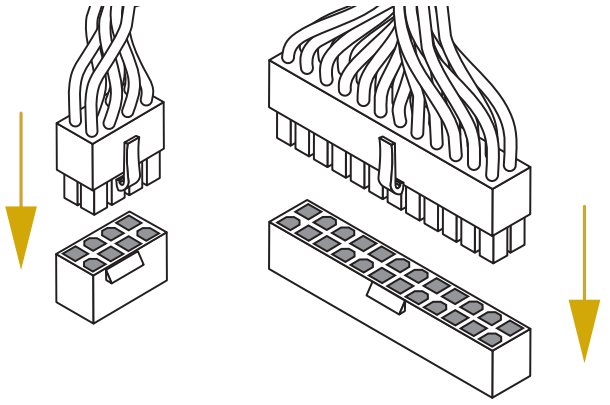
4 Jumper Cap On/Off

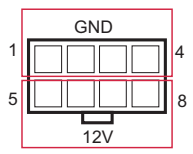


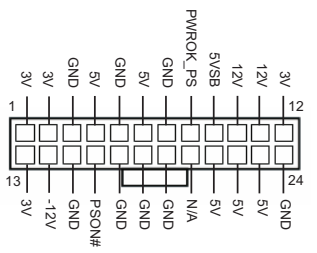
When the jumper cap is placed on the pins, the jumper is "Short". If no jumper cap is placed on the pins, the jumper is "Open".

The illustration shows a 3-pin jumper whose pin1 and pin2 are "Short" when a jumper cap is placed on these 2 pins.

5 Install the Power Cables

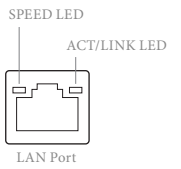






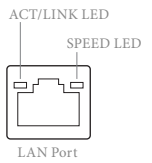
6 LAN Port LED Indications

LAN Port



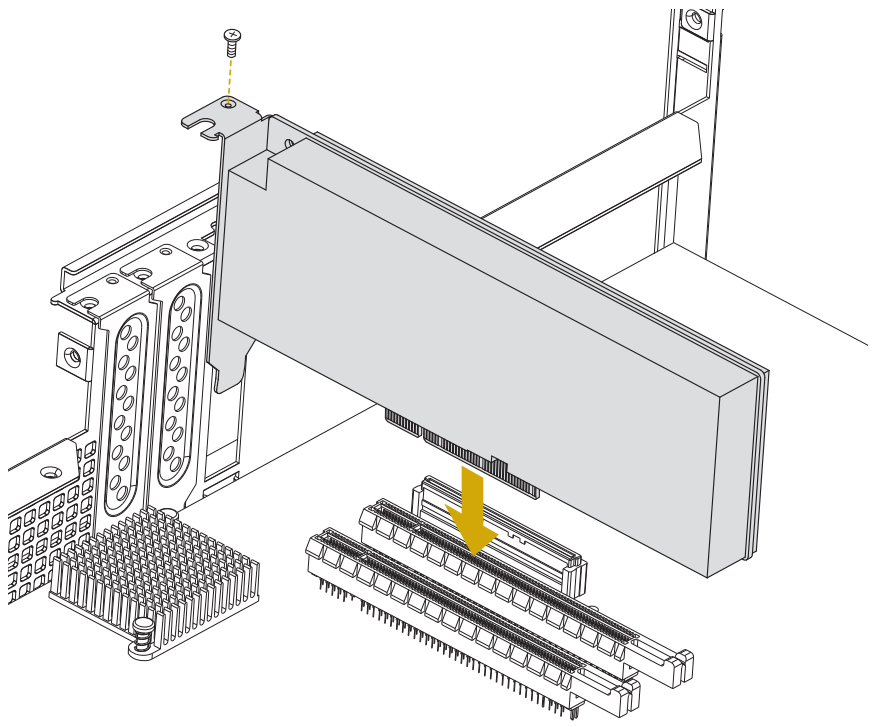
Speed LED		Activity / Link LED	
Status	**Description**	**Status**	**Description**
Off	10Mbps connection or no link	Off	No Link
Yellow	100Mbps connection	Blinking Green	Data Activity
Green	1Gbps connection	On	Link

IMPI LAN Port



Activity / Link LED		Speed LED	
Status	**Description**	**Status**	**Description**
Off	No Link	Off	No Link
Blinking Yellow	Data Activity	Off	10M bps connection
On	Link	Yellow	100M bps connection
		Green	1G bps connection

7 Install the PCIE Card



**Images shown are for illustrative purposes only and may differ depending on model.*

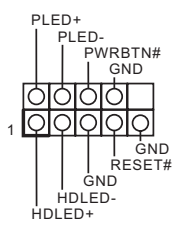
1. Before installing an expansion card, please make sure that the power supply is switched off or the power cord is unplugged. Please read the documentation of the expansion card and make necessary hardware settings for the card before you start the installation.
2. Remove the system unit cover (if your motherboard is already installed in a chassis).
3. Remove the bracket facing the slot that you intend to use. Keep the screws for later use.
4. Align the card connector with the slot and press firmly until the card is completely seated on the slot.
5. Fasten the card to the chassis with screws.
6. Replace the system cover.

PCIE7 (PCIE 3.0 x8 slot) is used for PCI Express max x8 lane width cards.

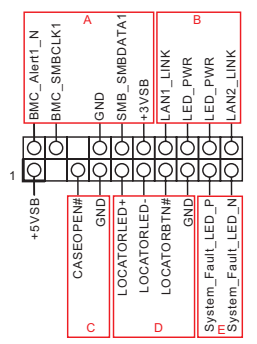
Slot	Generation	Mechanical	Electrical	Source
PCIE 7	3.0	x8	x8 / x4	CPU

8 Headers

System Panel

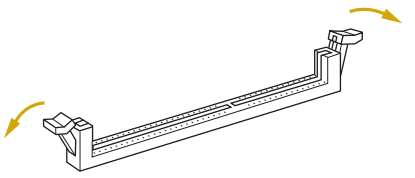


Auxiliary Panel

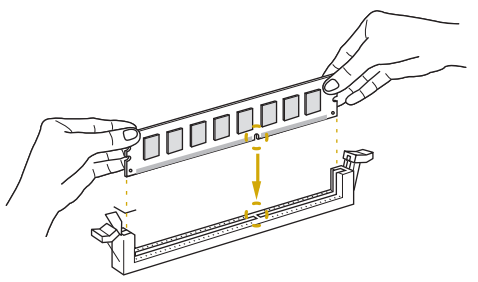


9 Install the Memory

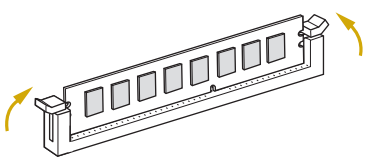
1. Unlock a DIMM slot by pressing the module clips outward.



2. Insert the memory module.



3. Lock the clips.



Dual Channel Memory Configuration

Priority	DDR4_A1 (Blue)	DDR4_A21 (White)	DDR4_B1 (Blue)	DDR4_B2 (White)
1	Populated		Populated	
2	Populated	Populated	Populated	Populated