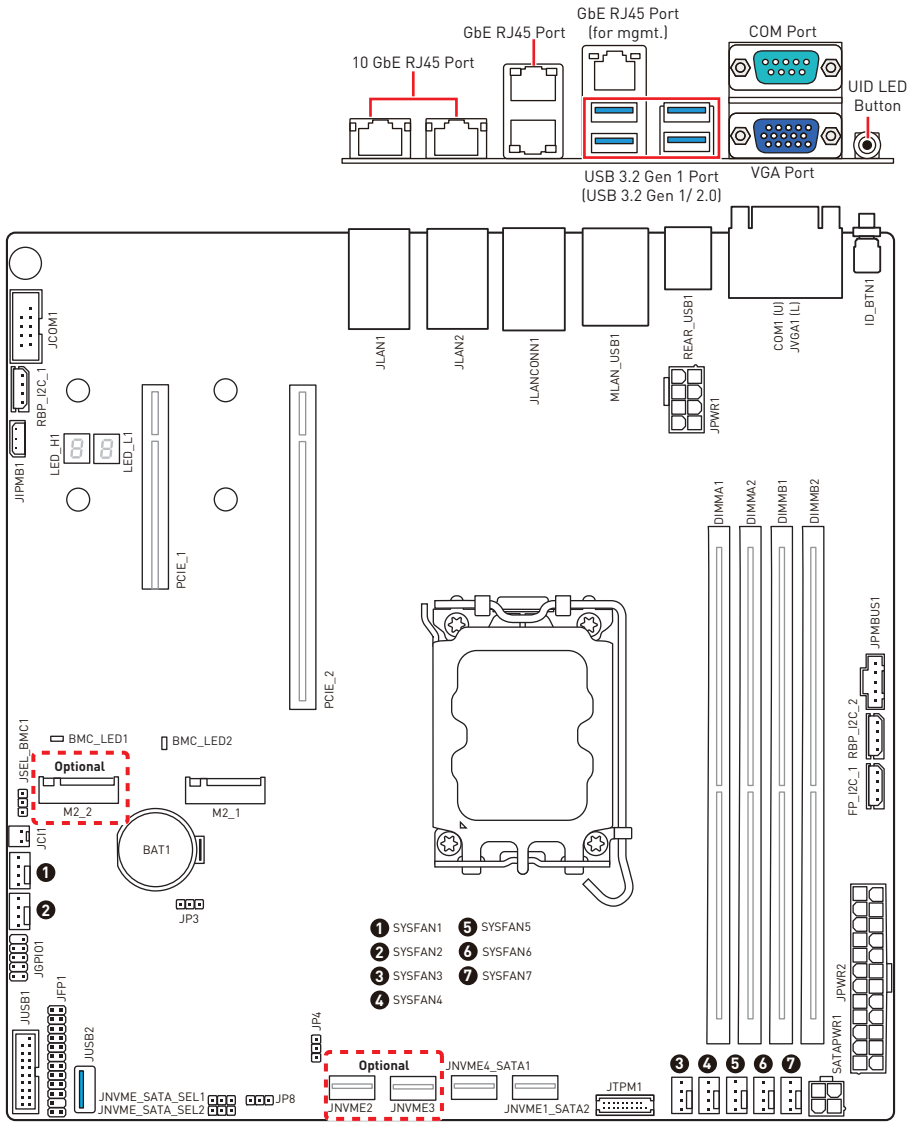


D1500

QUICK START GUIDE



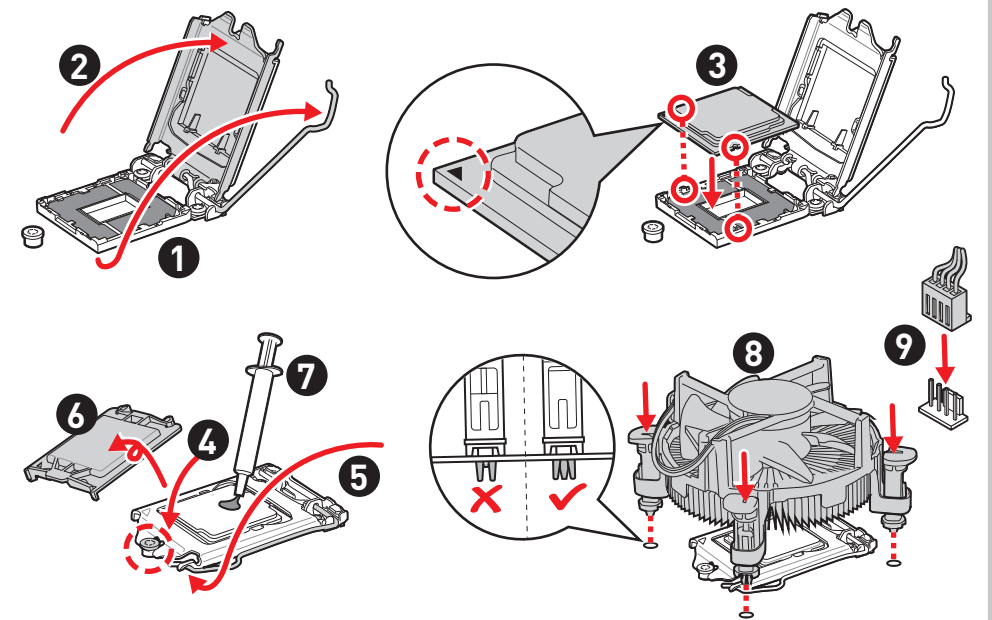
CPU

- Intel® Raptor Lake-E Xeon® Processors, E-2400, 8 cores, Max TDP 95W
- Intel® Alder Lake-S Pentium® G7400/ G7400T Processors, Max TDP 46W

Front Panel Connector

	1	PWR_LED+	2	FP_PWR
	3	No pin	4	SYS_ID_LED+
	5	PWR_LED-	6	SYS_ID_LED-
	7	HDD_ACT_LED+	8	SYS_FAULT_LED1-
	9	HDD_ACT_LED-	10	SYS_FAULT_LED2-
	11	PWR_BTN-	12	NIC#1_ACT_LED+
	13	PWR_BTN_GND	14	NIC#1_ACT_LED-
	15	RST_BTN-	16	SMB_SDA
	17	RST_BTN_GND	18	SMB_SCL
	19	SYS_ID_BTN-	20	CHASSIS_INTRUSION
	21	WIRE_TEMP_SENSOR	22	NIC#2_ACT_LED+
	23	REAR_ID_BTN-	24	NIC#2_ACT_LED-

CPU and Cooler Installation



Connectors, Jumpers and LED Indicators

Name	Description
JPWR1	8-pin 12V power connector
JPWR2	24-pin main power connector
SATAPWR1	4-pin power connector
JNVME2~3	Slimline SAS 4i connectors (Optional)
JNVME4_SATA1, JNVME1_SATA2	Slimline SAS 4i connectors
M2_1	M.2 slot (M Key, PCIe 4.0 x4, 22110/ 2280)
M2_2	M.2 slot (M Key, PCIe 4.0 x4, 22110/ 2280) (Optional)
SYSFAN1~7	Fan connectors
JFP1	Front panel connector
JTPM1	SPI TPM box header
JCOM1	COM port header
JGPIO1	GPIO header
JPMBUS1	PMBus connector
FP_I2C_1, RBP_I2C_1~2	I2C box headers
JIPMB1	IPMB connector
JCI1	Chassis intrusion header
JUSB1	USB 3.2 Gen 1 connector
JUSB2	USB 3.2 Gen 1/ USB 2.0 Type-A connector
REAR_USB1	USB 3.2 Gen 1/ USB 2.0 Type-A connectors (on rear side)
MLAN_USB1	GbE RJ45 port (for mgmt.)(upper, on rear side) USB 3.2 Gen 1/ USB 2.0 Type-A connectors (lower, on rear side)
JLANCONN1	GbE RJ45 ports (on rear side)
JLAN1~2	10 GbE RJ45 ports (on rear side)
PCIE_1	PCIe 4.0 x 8 slot (Gen 4 x 4 signal from CPU)
PCIE_2	PCIe 5.0 x 16 slot (Gen 5 x 16 signal from CPU)
BMC_LED1~2	BMC heartbeat LEDs
LED_H1, LED_L1	Port 80 debug LEDs
COM1	COM port (on rear side)
JVGA1	VGA display connector (on rear side)
JP3	CPLD power-on (default pin1-2, disable)
JP4	CMOS clear (default pin1-2, normal)

Name	Description
JP8	Password clear (default pin1-2, normal)
JSEL_BMC1	SPI switch (default pin 2-3, normal)
JNVME_SATA_SEL1	JNVME_SATA1 SATA/NVMe signal selection (default pin 2-3, SATA)
JNVME_SATA_SEL2	JNVME_SATA2 SATA/NVMe signal selection (default pin 2-3, SATA)

Memory

The server board is compatible with DDR5 ECC and non-ECC UDIMMs (AVL list only), supports memory speeds up to 4800MT/s, providing a maximum capacity of 128GB.



Recommended Memory Population

Quantity of DIMMs		1	2		3		4
Channel B	DIMMB2		V	V		V	V
	DIMMB1			V		V	V
Channel A	DIMMA2	V	V		V	V	V
	DIMMA1			V		V	V

"V" indicates a populated DIMM slot.

Important

- Only support **UDIMM**.
- There should be at least 1 DDR5 DIMM populated.
- Paired memory installation for Max performance.
- If only **1 DIMM** is populated in a channel, then populate it in the **DIMMA2** slot.
- Populate the same DIMM type in each channel, specifically: 1. Use the same DIMM size; 2. Use the same number of ranks per DIMM.
- We don't suggest other memory installation.