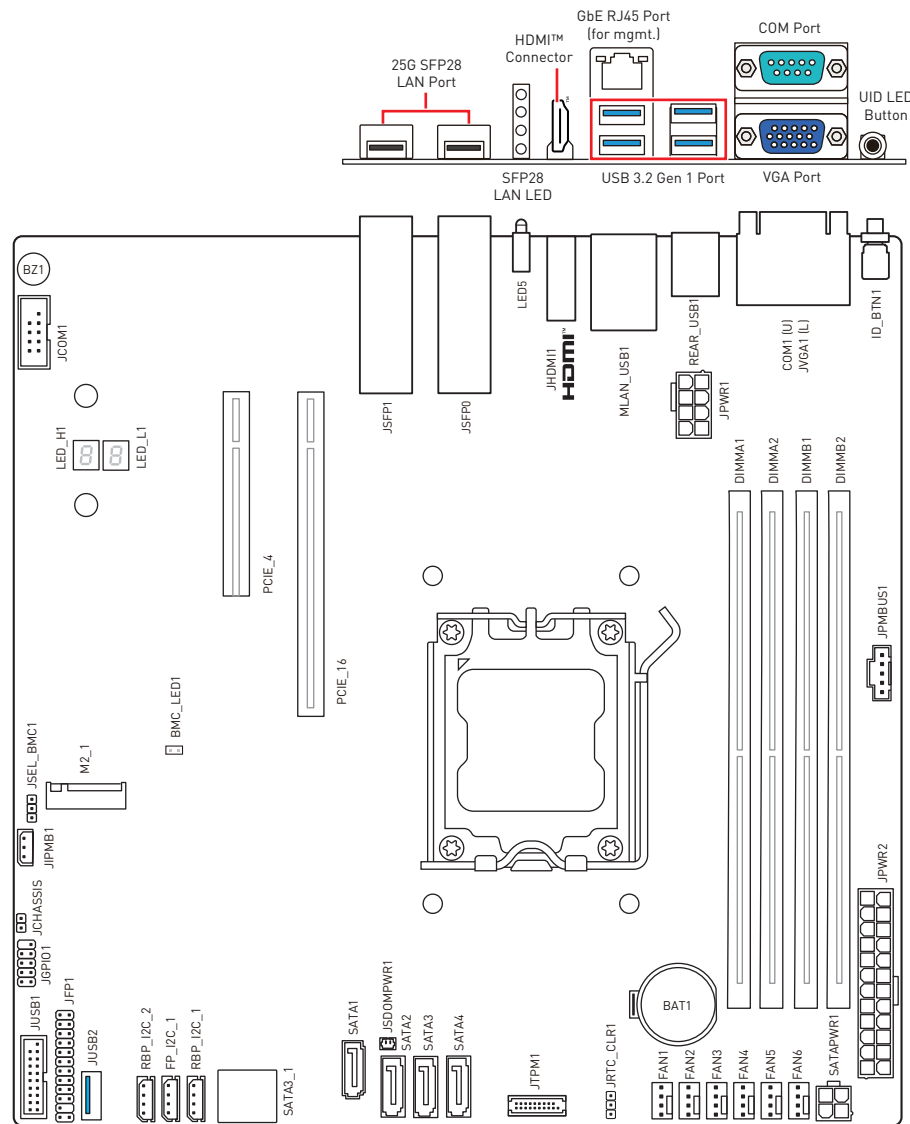


D3052

QUICK START GUIDE



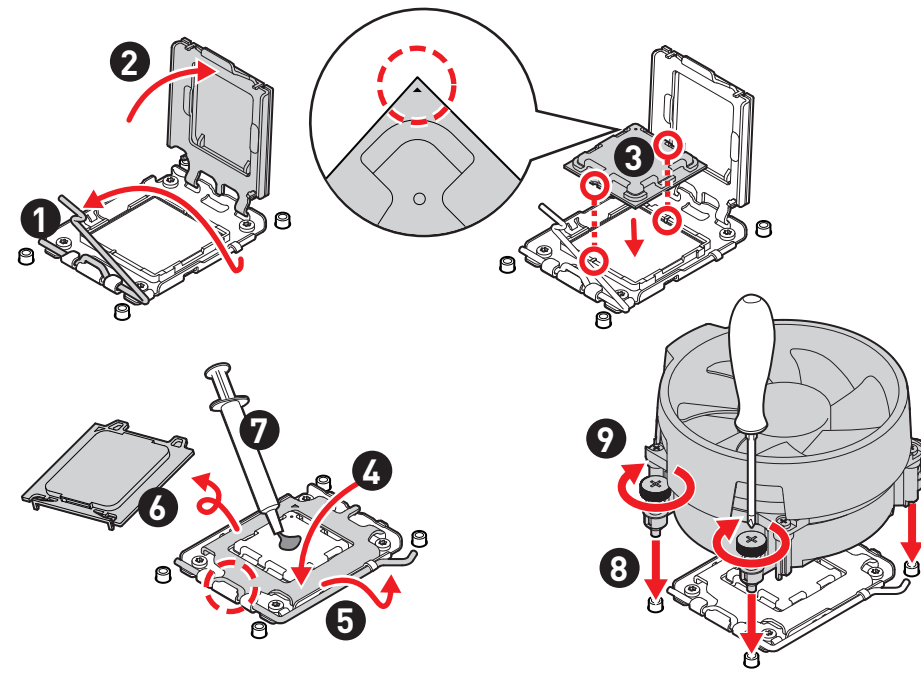
CPU

Single AMD Ryzen™ 7000 Series Processor, TDP up to 170W

Front Panel Header

JFP1	24		23		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	NMI_BTN	24	NIC#2_ACT_LED-
	2			1				

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
JSDOMPWR1	2-pin SATA DOM power connector
SATA1~4	SATA 3.0 6Gb/s ports
SATA3_1	SATA 2.0 3Gb/s ports
M2_1	M.2 slot (M Key, PCIe 4.0, 22110/ 2280)
PCIE_16	PCIe 5.0 x 16 slot (Gen 5 x 16 signal from CPU)
PCIE_4	PCIe 5.0 x 8 slot (Gen 5 x 4 signal from CPU)
FAN1~6	Fan connectors
JFP1	Front panel header
JTPM1	SPI TPM header
JGPIO1	GPIO header
JPMBUS1	PMBus header
JCHASSIS1	Chassis intrusion header
JIPMB1	IPMB header
FP_I2C_1, RBP_I2C_1~2	I2C headers
JCOM1	COM header
JUSB1	USB 3.2 Gen 1 header
JUSB2	USB 3.2 Gen 1 Type-A port
MLAN_USB1	GbE RJ45 port (for mgmt.) (upper, on rear side)
	USB 3.2 Gen 1 Type-A ports (lower, on rear side)
REAR_USB1	USB 3.2 Gen 1 Type-A ports (on rear side)
LAN_LED1	SFP28 LAN LEDs (on rear side)
JSFP0~1	25G SFP28 LAN ports (on rear side)
COM1	COM port (on rear side)
JVGA1	VGA port (on rear side)
JHDMI1	HDMI™ connector (on rear side)
JSEL_BMC1	BMC select jumper (default pin 1-2, using CPU)

Name	Description
JRTC_CLR1	CMOS clear jumper (default pin 1-2, normal)
BMC_LED1	BMC Heartbeat LED
LED_H1, LED_L1	Port 80 Debug LEDs

Memory

The server board offers compatibility with DDR5 ECC/ non-ECC UDIMMs, supporting memory speeds up to 5200 MT/s (1DPC) and 3600 MT/s (2DPC).



Recommended Memory Population

Quantity of DIMMs		1	2		3	4	
Channel B	DIMMB2		V	V		V	V
	DIMMB1			V		V	
Channel A	DIMMA2	V	V		V	V	V
	DIMMA1				V		V
“V” indicates a populated DIMM slot.							



- 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.