

2S 2U
GPU
SERVER

LRS-2208

LRS-2208U2BC
LRS-2208U2XD
LRS-220835XD
LRS-220835HYBD



2U2S server platform with maximum memory capacity for high-performance in-memory computing

■ Front View



LRS-2208U2BC
(8) 2.5" Hot-Swap NVMe SSDs



LRS-2208U2XD
(24) 2.5" Hot-Swap NVMe SSDs



LRS-220835XD
(12) 3.5" Hot-Swap HDDs LRS-220835HYBD
(12) 3.5" Hot-Swap HDDs w/(4)NVMe

■ Back View



- Dual LGA4710 socket
- (2) Intel® Xeon® 6 Processor
- (16+16) Support up to 8,192GBGB RDIMM *Follow latest Intel® DDR5 Memory POR
- (8) 2.5" Hot-Swap SSDs or (24) 2.5" Hot-Swap SSDs
- (12) 3.5" Hot-SwapHDDs or (12) 3.5"/2.5" Hot-Swap HDDs/SSDs with 4 NVMe U.2 (R
- (2) 22110/2280 (by PCIe Gen. 4 interface)
- LRS-2208U2BC: (1) x8 HH/HL + (2) FH/HL + (2) FH/FL + (2) OCP 3.0 mezzanine slots
- LRS-2208UU2XD: (1) x8 HH/HL + (2) FH/HL + (2) FH/FL for (2) RTM RAID AIC + (2) OCP 3.0 mezzanine slots
- LRS-220835XD: (1) x8 HH/HL + (4) FH/HL + (2) OCP 3.0 mezzanine slots
- LRS-220835HYBD: (1) x8 HH/HL + (6) FH/HL, (4) x8 + (2) x16 + (2) OCP 3.0 mezzanine slots
- (1) PCIe Gen. 5 x16 slot (w/ x8 link in HH/HL) / (2) PCIe Gen. 5 x16 slots (FH/HL) / (2) PCIe Gen. 5 x16 slots (FH/FL) for (2) RTM RAID AIC / (2) PCIe Gen.5 x16 OCP 3.0 mezzanine slots
- (1) IPMI ports
- Onboard BMC w/ IPMI and iKVM support
- Up to (1+1) 32,00W RPSU, 80+ Titanium

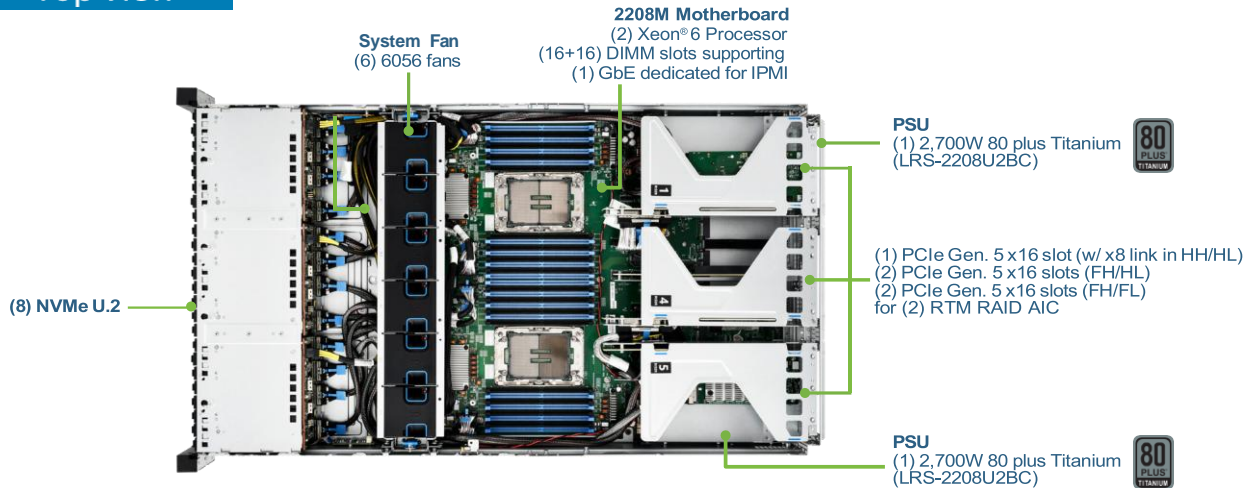
■ Summary Table

SKU	Motherboard	Storage
LRS-2208U2BC	2208M	(8) NVMe U.2 hot-swap
LRS-2208U2XD	2208M	(24) NVMe U.2 hot-swap
LRS-220835XD	2208M	(12) 3.5" Hot-swap HDDs
LRS-220835HYBD	2208M	(12) 3.5"/2.5" Hot-Swap HDD/SSDs w/ (4) NVMe

LRS-2208

LRS-2208U2BC

Top View



System	Form Factor	2U Rackmount
	Chassis Name	TX77
	Dimension (D x W x H)	30.31" x 17.24" x 3.43" (770 x 438 x 87mm)
	Motherboard	2208M
Front Panel	Gross Weight	34.5 kg (76.06 lbs)
	Net weight	28.25 kg (62.17 lbs)
	Buttons	(1) PWR w/ LED / (1) ID w/ LED / (1) RST / (1) NMI
External Drive Bay	LEDs	(1) PWR / (1) ID / (1) Drive / (1) System Event
	I/O Ports	(1) USB 2.0 port / (1) USB 3.0 port
	Q'ty / Type	(8) 2.5" Hot-Swap SSDs
System Cooling Configuration	Front Drive Bay Interface	(8) SATA 6Gb/s / SAS 24Gb/s / NVMe U.2
	Front HDD Backplane Support	SAS 24Gb/s /SATA 6Gb/s /NVMe
	Notification	The SAS/SATA HDD backplane is connected to onboard MCIIO connection by default. Please contact MITAC technical support if a discrete SAS HBA/RAID adapter is required.
Power Supply	Type	RPSU
	Input Range	AC 100-127V/12A / AC 200-240V/8.5A
	Efficiency	80 plus Titanium
	Output Watts	2,700 Watts
	Redundancy	1+1
Processor	Notification	We have additional PSU options available. For further details, please contact local distributors.
	Q'ty / Socket Type	(2) LGA4710
	Supported CPU Series	Xeon® 6 Processor
Memory	Thermal Design Power wattage	Max up to 350W* (TDP)
	Supported DIMM Qty	(16)+(16) DIMM slots
	DIMM Type / Speed	RDIMM / RDIMM-3DS DDR5 6400 MHz (1DPC) / 5200MHz (2DPC) / MRDIMM 8000 (1DPC) -P Core only
	Capacity	Up to 8192GB RDIMM *Follow latest Intel DDR5 Memory POR
	Memory channel	8-Channel DDR5 RDIMM / MRDIMM
Expansion Slots	Memory voltage	1.1V
	PCIe	(1) PCIe Gen 5 x16 slot (w/ x8 link in HH/HL) / (2) PCIe Gen 5 x16 slots (FH/HL) / (2) PCIe Gen 5 x16 slots (FH/FL)
	Others	(2) PCIe Gen. 5 x16 OCP 3.0 mezzanine slots
LAN	Q'ty / Port	(1) GbE dedicated for IPMI
	PHY	Realtek RTL8211F

Storage	NVMe	Connector (M.2)	(2) 22110/2280 (by PCIe Gen 4 interface)
		Connector (U.2)	(4) SFF-TA-1016 (MCIIO 8x) f or (8) front NVMe
Graphic	Connector type	Mini Display Port	
	Resolution	Up to 1920x1200	
Input /Output	Chipset	Aspeed AST2600	
	USB	(1) USB3.0 port / (1) USB UART (on DCSCM)	
	DisplayPort	(1) Mini Display Port	
TPM (Optional)	RJ-45	(1) GbE port dedicated for IPMI	
	TPM Support Interface	TM-TPM2-MS-I9672 SPI	
System Monitoring	Chipset	Aspeed AST2600	
	Voltage	Monitors voltage for CPU, memory, chipset & power supply	
	Temperature	Monitors temperature for CPU & memory & system environment	
Server Management	LED	Over temperature warning indicator / Fan & PSU fail LED indicator	
	Onboard Chipset	Onboard Aspeed AST2600 (on DCSCM module)	
	AST2600 iKVM Feature	24-bit high quality video compression / Supports storage over IP and remote platform flash / USB 2.0 virtual hub	
BIOS	AST2600 IPMI Feature	IPMI 2.0 compliant baseboard management controller (BMC) / 10/100/1000 Mb/s MAC interface	
	Brand / ROM size	AMI / 64MB (LAT)	
Operating System	Feature	PXE boot support / Console Redirection / SMBIOS 3.6 / ACPI 6.5 / ACPI sleeping states S0, S5 / UEFI Secure Boot / IPMI Boot / Redfish support / PFR Secure Update / HTTP Boot	
	OS supported list	Please refer to our AVL support lists.	
Regulation	BIS	R-72014435	
	CE (DoC)	NA	
	CB/LVD	Yes	
	RCM	Yes	
	VCCI	Yes	
	NRTL	Yes	
Operating Environment	BSMI	Yes	
	IC	Yes	
RoHS	Operating Temp.	10° C ~ 35° C (50° F~ 95° F)	
	Non-operating Temp.	- 40° C ~ 70° C (-40° F ~ 158° F)	
RoHS	In/Non-operating Humidity	85% (Operating humidity) / 90% (Non-operating Humidity)	
	RoHS 6/6 Compliant	Yes	

(Specifications are subject to change without notice. Items pictured may only be representative.)