

X11DPU-Z+ (For SuperServer Only)



Key Features

1. 2nd Gen Intel® Xeon® Scalable Processors and Intel® Xeon® Scalable Processors, Dual Socket LGA-3647 (Socket P) supported, CPU TDP support Up to 205W TDP, 3 UPI up to 10.4 GT/s
2. Intel® C621
3. Up to 6TB 3DS ECC RDIMM, DDR4-2933MHz; Up to 6TB 3DS ECC LRDIMM, DDR4-2933MHz, in 24 DIMM slots; Up to 6TB Intel® Optane™ DC Persistent Memory in memory mode (Cascade Lake only).
4. 1 PCI-E 3.0 x32 Left Riser Slot,
1 PCI-E 3.0 x8 Right Riser Slot,
1 PCI-E 3.0 x40 Far Right Riser Slot,
4 PCI-E 3.0 NVMe x4 Internal Port(s)
5. Intel® C621 controller for 10 SATA3 (6 Gbps) ports; SATA3 (6 Gbps) RAID 0,1,5,10
6. 1 VGA port
7. Networking options provided via Ultra Riser

Specifications

Product SKUs		Expansion Slots	
MBD-X11DPU-Z+	X11DPU-Z+	PCI-E	1 PCI-E 3.0 x32 Left Riser Slot, 1 PCI-E 3.0 x8 Right Riser Slot, 1 PCI-E 3.0 x40 Far Right Riser Slot
Physical Stats		System BIOS	
Form Factor	Proprietary Ultra	BIOS Type	AMI UEFI
Dimension	17" x 16.8" (43.18cm x 42.67cm)	Management	
Processor		Software	SuperDoctor® 5, NMI, <u>SUM</u>, KVM with dedicated LAN, <u>SPM</u>, Intel® Node Manager, <u>IPMI2.0</u>, Watchdog
CPU	2nd Gen Intel® Xeon® Scalable Processors and Intel® Xeon® Scalable Processors - Dual Socket LGA-3647 (Socket P) supported, CPU TDP supports Up to 205W TDP, 3 UPI up to 10.4 GT/s	Power Configurations	Power-on mode for AC power recovery, ACPI Power Management
Core	Up to 28 cores	PC Health Monitoring	
Note	BIOS version 3.2 or above is required to support 2nd Gen Intel® Xeon® Scalable processors (codenamed Cascade Lake-R)	Voltage	3.3V standby, +5V standby, +5V, +3.3V, +12V
System Memory		LED	- UID/Remote UID - Power LED - BMC/IPMI Heartbeat LED - CPU / System Overheat LED
Memory Capacity	24 DIMM slots - Up to 6TB 3DS ECC LRDIMM, DDR4-2933MHz; Up to 6TB 3DS ECC RDIMM, DDR4-2933MHz - Up to 6TB Intel® Optane™ DC Persistent Memory in memory mode (Cascade Lake only).	Temperature	- Monitoring for CPU and chassis environment - CPU thermal trip support
Memory Type	2933/2666/2400/2133MHz ECC DDR4 LRDIMM (3DS), RDIMM (3DS)	FAN	8x 4-pin fan headers (up to 8 fans) - PWM fan speed control - Status monitoring for speed control 8x fans with tachometer monitoring
DIMM Sizes	- LRDIMM: 64GB, 128GB - RDIMM: 64GB, 128GB	Other Features	- RoHS - Chassis intrusion header - Chassis intrusion detection - SDDC
Memory Voltage	1.2V	Operating Environment	
Error Detection	- Corrects single-bit errors - Detects double-bit errors (using ECC memory)	Operating Temperature Range	10°C - 35°C (50°F - 95°F)
On-Board Devices		Non-Operating Temperature Range	-40°C - 70°C (-40°F - 158°F)
Chipset	Intel® C621	Operating Relative Humidity Range	8% - 90% (non-condensing)
SATA	- Intel® C621A controller for SATA3 (6 Gbps) ports; RAID 0,1,5,10 - Intel® C621 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10	Non Operating Relative Humidity Range	5% - 95% (non-condensing)
IPMI	ASPEED AST2500		
Graphics	ASPEED AST2500 BMC		
Network Controllers	Networking options provided via Ultra Riser		

Input / Output

USB	1 USB 3.2 Gen1 port(s) (1 via header) 2 USB 3.0 port(s) (2 rear)
Video Output	1 VGA port(s)
Serial Port	1 COM Port(s) (1 rear)
DOM	2 SuperDOM (Disk on Module) ports
TPM	1 TPM Header
Others	1 ports SuperDOM

Parts List

Parts List (Bulk Package)			
Name	Part Number	Qty	Description
Motherboard	MBD-X11DPU-Z+	1	X11DPU-Z+ Motherboard

Chassis (Optimized for X11DPU-Z+)

Embedded Compact	1U	2U	3U	Mid/Mini-Tower	4U/Tower
		Heatsink:SNK-P0068PS			

 = Most optimized Chassis for SuperServer Configuration
Blue color = Compatible
Green color = Global SKU & Compatible
Red dot & green color = Optimized + Global SKU

Server (Optimized for X11DPU-Z+)

Server Name
SYS-1029UZ-TN20R25M
SYS-2029UZ-TN20R25M
SYS-2029UZ-TR4+
SYS-6029UZ-TR4+

