



APOGEAN DUAL SOCKET INTEL 3RD GEN RACKMOUNT SERVER

ID122U-S3-S / ID163U-S3-S / ID244U-S3-S / ID364U-S3-S

Key Features

- 1. Intel 3rd Gen Xeon Scalable processors Dual Socket LGA-4189 (Socket P+) supported, CPU TDP supports Up to 270W TDP, 3 UPI up to 11.2 GT/s
- 2. Chipset - Intel C621A
- 3. Up to 4TB 3DS ECC RDIMM, DDR4-3200MHz; Up to 4TB 3DS ECC LRDIMM, DDR4-3200MHz Supported.
- 4. Up to 4TB Intel Optane Persistent Memory 200 Series, DDR4-3200MHz, in 18 DIMM slots P1-DIMMB2 and P2-DIMMB2 are reserved for Intel Optane Persistent Memory 200 Series only.
- 5. 4.2 PCI-E 4.0 x8, 4 PCI-E 4.0 x16, 2 PCI-E 4.0 NVMe x8 Internal Port(s)
M.2 Interface: 1 PCI-E 4.0 x4
M.2 Form Factor: 2280/22110
M.2 Key: M-Key
- 6. 5. 12/16/24/36 SATA 6 Gbps 3.5" Drive Slots, Supported RAID 0,1,5,10
- 7. 6. Dual LAN with Intel i350 Gigabit Ethernet Controller
- 8. 2 VGA (1 rear bezel, 1 front panel) ports

APOGEAN DUAL SOCKET INTEL 3RD GEN RACKMOUNT SERVER ID122U-S3-S / ID163U-S3-S / ID244U-S3-S / ID364U-S3-S

Product SKUs		System BIOS	
Model Number-	ID122U-S3-S / ID163U-S3-S / ID244U-S3-S / ID364U-S3-S	BIOS Type	-AMI UEFI
Physical Stats		Power Supply	
Form Factor-	ID122U-S3-S (2U Rackmount) ID163U-S3-S (3U Rackmount) ID244U-S3-S (4U Rackmount) ID364U-S3-S (4U Rackmount)	Power Supply	-500W, 800W, 1200W, 1600W Single/Redundant
Board Dimension-		BIOS Type	
12" x 13" (30.48cm x 33.02cm)		Software	
Processor		-Monitoring Software, SUM, KVM with dedicated LAN, SPM, Intel® Node Manager, SSM, IPMI2.0, Watchdog	
CPU-	3rd Gen Intel® Xeon® Scalable processors Dual Socket LGA-4189 (Socket P+) supported, CPU TDP supports Up to 270W TDP, 3 UPI up to 11.2 GT/s	System Management	
Core	-Up to 40 cores	Software	
System Memory		-IPMI (Intelligent Platform Management Interface) v1.5 / 2.0 with KVM support, IPMICFG, IPMIView for Linux/Windows, SMCIPMITool, SSM, SUM, SPM	
Memory Capacity-	18 DIMM slots Up to 4TB Intel® Optane™ Persistent Memory 200 Series, DDR4-3200MHz Up to 4TB 3DS ECC LRDIMM, DDR4-3200MHz; Up to 4TB 3DS ECC RDIMM, DDR4-3200MHz P1-DIMMB2 and P2-DIMMB2 are reserved for Intel Optane Persistent Memory 200 Series only.	PC Health Monitoring	
Memory Type		Voltage	
3200/2933/2666MHz ECC 3DS DDR4 LRDIMM, RDIMM DIMM Sizes		-VBAT, System temperature, PCH temperature, Monitors CPU voltages, Memory temperature, CPU temperature, Chassis intrusion header, 3.3V standby, +5V standby, +5V, +3.3V, +12V, VRM temperature, Memory Voltages, LAN temperature, 8-fan status	
LRDIMM: 256GB		LED	
RDIMM: 256GB Memory Voltage		-UID/Remote UID	
1.2V Error Detection		-Power LED	
Corrects single-bit errors		-BMC/IPMI Heartbeat LED	
Detects double-bit errors (using ECC memory)		Temperature	
On-Board Devices		-Monitoring for CPU and chassis environment	
Chipset	Intel® C621A Drive Slots	-CPU thermal trip support	
12/16/24/36 3.5"/2.5" SATA3 (6 Gbps) Drive Slots, Supported RAID 0,1,5,10		-PECI	
IPMI-	ASPEED AST2600 BMC	FAN	
Network Controllers-	Dual LAN with Intel® i350 Gigabit Ethernet Controller	-8x 4-pin fan headers (up to 8 fans)	
Input / Output		-PWM fan speed control	
SATA-	14 SATA3 (6Gbps) port(s) LAN	Other Features	
2 RJ45 Gigabit Ethernet LAN ports		-WOL	
USB-	7 USB 3.2 Gen1 port(s) (2 via header; 4 rear; 1 type A) 2 USB 2.0 port(s) (2 via header)	-UID	
Video Output	2 VGA (1 rear bezel, 1 front panel) port(s)	-RoHS	
Serial Port-	2 COM Port(s) (1 header; 1 rear)	-Node Manager Support	
TPM-	1 TPM Header	-Dual Cooling Zones	
Expansion Slots		-CPU thermal trip support for processor protection	
PCI-E	-4 PCI-E 4.0 x16, -2 PCI-E 4.0 x8M.2 -M.2 Interface: 1 PCI-E 4.0 x4 -Form Factor: 2280/22110 -Key: M-Key	-Control of power-on for recovery from AC power loss	
		-Chassis intrusion header	
		-ATX Power connector	
		-ACPI power management	
		-SDDC	
		-RoT	
		-NCSI header	
		Operating Environment	
		Operating Temperature Range	
		-10 °C - 35 °C (50 °F - 95 °F)	
		Non-Operating Temperature Range	
		-40 °C - 70 °C (-40 °F - 158 °F)	
		Operating Relative Humidity Range	
		-8% - 90% (non-condensing)	
		Non Operating Relative Humidity Range	
		-5% - 95% (non-condensing)	