



HPS-621U2A

Single 2nd Gen. ® Xeon® SP processor with Intel® C621 chipset, 500W, 4 x RJ-45, IPMI2.0 workstation

- > 19" 2U Chassis
- > 483mm(W) x 88mm(H) x 650mm(D)
- > 1 x 1U 80plus Gold 500W PSU
- > 4 x External 5.25" storage bay & 2 x Internal 3.5" storage bay
- > Intel FCLGA3647 Socket supports 1st and 2nd Gen. Intel Xeon Scalable processors (Max. TDP at 150W)
- > Intel C621 chipset
- > 6 x DDR4 2933/ 2666/ 2400/ 2133 MHz RDIMM/LRDIMM up to 768GB
- > IPMI 2.0 with AST 2500 BMC controller onboard
- > 4 x Intel I210AT Giga-bit Ethernet

Spec

System Information

Processor	Intel FCLGA3647 Socket supports 1st and 2nd Gen. Intel Xeon Scalable Processors (Max. TDP at 150W)
Platform Controller Hub	Intel C621 Chipset
System Memory	6 x DDR4 2933/ 2666/ 2400/ 2133 MHz RDIMM/LRDIMM up to 768GB
I/O Chipset	NA
BIOS Information	AMI UEFI BIOS
Watchdog Timer	System Reset Event. 0 ~ 6553 seconds.
H/W Status Monitor	CPU temperature, Fan speed and voltage monitoring, Fan speed control, and Case Open detection
TPM	TPM 2.0 onboard
iAMT	IPMI 2.0 with AST 2500 BMC Controller onboard
SBC	HPM-621UA

-Front I/O-

USB Port	2 x USB 2.0 type A ports
Power Button	1 x Power button
Reset Button	1 x Reset button
LED Indicator	1 x Power status indicator 1 x Disk activity indicator 1 x Network activity indicator

-Rear I/O-

USB Port	4 x USB 3.2 Gen1 ports
COM Port	1 x RS232 (Bracket at Slot 1)
VGA	1 x VGA (Bracket at Slot 2)
RJ-45	4 x RJ45 (LAN1 share IPMI Port)

-Display-

Graphic Chipset	AST 2500 BMC Controller
Resolution	1 x VGA port VGA: 1920 x 1200 @ 60Hz 32bpp

-Power Requirement-

Power Supply Unit	1 x 1U 80plus Gold 500W PSU
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Expansion

Expansion	3 x PCIe x16 slots, 3 x PCIe x8 slots, 1 x PCI 3.0 slot Slot 1, NA (This is for PCI 3.0 slot) Slot 2, PCIe 3.0 x8 Slot 3, PCIe 3.0 x16 Slot 4, PCIe 3.0 x8 Slot 5, PCIe 3.0 x16 Slot 6, PCIe 3.0 x8 Slot 7, PCIe 3.0 x16 (Slot 7 is the slot closest to CPU)
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Storage

M.2	1 x M.2 M-Key PCIe 3.0 x4 NVMe SSD, 2242/2260/2280 form factor
2.5" Drive Bay	1 x 2.5" internal drive bay
Other Storage Device	4 x External 5.25" drive bays 2 x Internal 3.5" drive bays

Ethernet

LAN Chipset	4 x Intel I210AT Giga-bit Ethernet
LAN Port	4 x RJ45 (LAN1 share IPMI Port)

Mechanical & Environmental

Operating Temperature	Temperature: 0 to 40 degree C (L6 system)
Storage Temperature	-40 degree C 24hrs IEC60068-2-1 Cold test Test : Ab 70 degree C/ RH95% 24hrs IEC 60068-2-3 Test:Ca
Operating Humidity	40°C @ 95% Relative Humidity, Non-condensing
Weight	TBD

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Dimensions(W x L x D)	483mm x 88mm x 650mm (W x H x D)
Software Support	
OS Information	Windows : Windows 10 IOT Enterprise, Windows server 2016, Windows server 2019 Linux : Ubuntu 16.04 and 18.04
Ordering Information	
Ordering Information	HPS-621U2A5-A1R L6 2U Rackmount w/HPM-621UAA/500W/4x5.25"/2x3.5"

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Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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