

HPS-621DTA

Tower Workstation supports Dual 1st and 2nd Generation Intel® Xeon® Scalable Processors with Intel® C621 Chipset, 1300W, 4 x RJ-45, IPMI2.0



Features

- Tower Chassis
- 340mm (W) x 488mm (H) x 528mm (D) with external handle & pedestal stand
- 1 x 1300W PS2 ATX PSU
- 3 x Front accessible 2.5" storage bays
- Dual Intel FCLGA3647 Sockets support 1st and 2nd Generation Intel® Xeon® Scalable Processors (Max. TDP at 150W)
- Intel® C621 Chipset
- 12 x DDR4 2933/ 2666/ 2400/ 2133 MHz RDIMM/ LRDIMM up to 1.5TB
- IPMI 2.0 with AST 2500 BMC controller onboard
- 4 x Intel I210AT 1GbE controllers



1st/2nd
Gen.
Intel® Xeon®
Scalable
Processor



12 x DDR4
RDIMM
2933/2666/
2400/2133
MHz



IPMI 2.0
supported



PCIe Gen3
multiple
expansion

Specifications

System Information

Processor	Dual Intel FCLGA3647 Sockets support 1st and 2nd Generation Intel® Xeon® Scalable Processors (Max. TDP at 150W each)
Platform Controller Hub	Intel® C621 Chipset
System Memory	12 x DDR4 2933/ 2666/ 2400/ 2133 MHz RDIMM/ LRDIMM up to 1.5TB
BIOS	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 Case open detection
TPM	TPM 2.0 onboard
IPMI	IPMI 2.0 with AST 2500 BMC controller onboard
SBC	HPM-621DE

Front I/O

USB	2 x USB 3.2 Gen1 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	4 x USB 3.2 Gen1 ports
COM Port	1 x RS232 port (Bracket shares with VGA port, RS232 on the top)
VGA	1 x VGA port (Bracket shares with Serial port, VGA on the bottom)
RJ-45	4 x RJ45 (LAN1 shares 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 1300W PS2 ATX PSU
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Expansion

Expansion	4 x PCIe Gen3 x16 slots, 2 x PCIe Gen3 x8 slots, 1 x PCI 3.0 slot Slot 1, PCIe 3.0 x16 from CPU1 Slot 2, PCI 3.0 Slot 3, PCIe 3.0 x16 from CPU1 Slot 4, PCIe 3.0 x16 from CPU2 Slot 5, PCIe 3.0 x16 from CPU2 Slot 6, PCIe 3.0 x8 from CPU1 Slot 7, PCIe 3.0 x8 from CPU1 (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	3 x Front accessible 2.5" storage bays

External

LAN Chipset	4 x Intel I210AT 1GbE controllers
LAN Port	4 x RJ45 (LAN1 shares IPMI port)

Mechanical & Environmental

Operating Temp.	0 ~ 40°C (L6 system)
Storage Temp.	-40°C 24hrs IEC60068-2-1 Cold test Test: Ab 70°C/ RH95% 24hrs IEC 60068-2-3 Test: Ca
Operating Humidity	40°C @95% Relative Humidity, Non-condensing
Weight	20.8KG
Dimension (W x L x D)	Tower Chassis 340mm (W) x 488mm (H) x 528mm (D) with external handles & pedestal stand 174.8mm (W) x 430mm (H) x 528mm (D) without external handles & pedestal stand

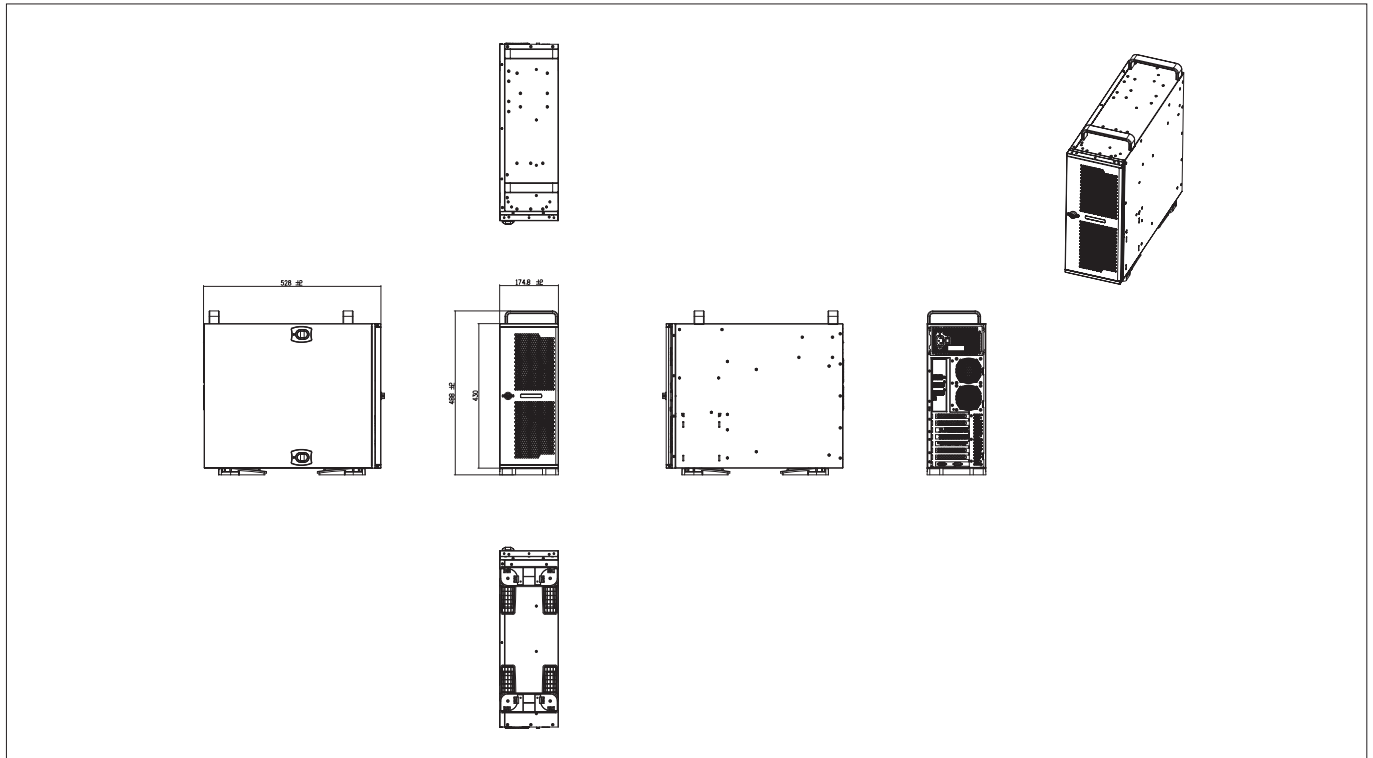
Software Support

OS	Windows 10 IoT Enterprise Windows Server 2016 Windows Server 2019 Ubuntu 18.04 LTS or Later
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Mechanical Drawing



Ordering Information

Model Name	P/N	CPU	Chipset	Memory	PCIe Slot	10GbE/2.5GbE/1GbE	USB 3.2 Gen2/USB 3.2 Gen1/USB 2.0	2.5" drive bay	PSU
HPS-621DTA	HPS-621DTAD-A1R	2	C621	12	7	0/0/4	0/6/0	3	1300W PS2 ATX

Packing List

Item	P/N	Quantity
L6 Tower Workstation w/HPS-621DEA/1300W	HPS-621DTAD-A1R	1

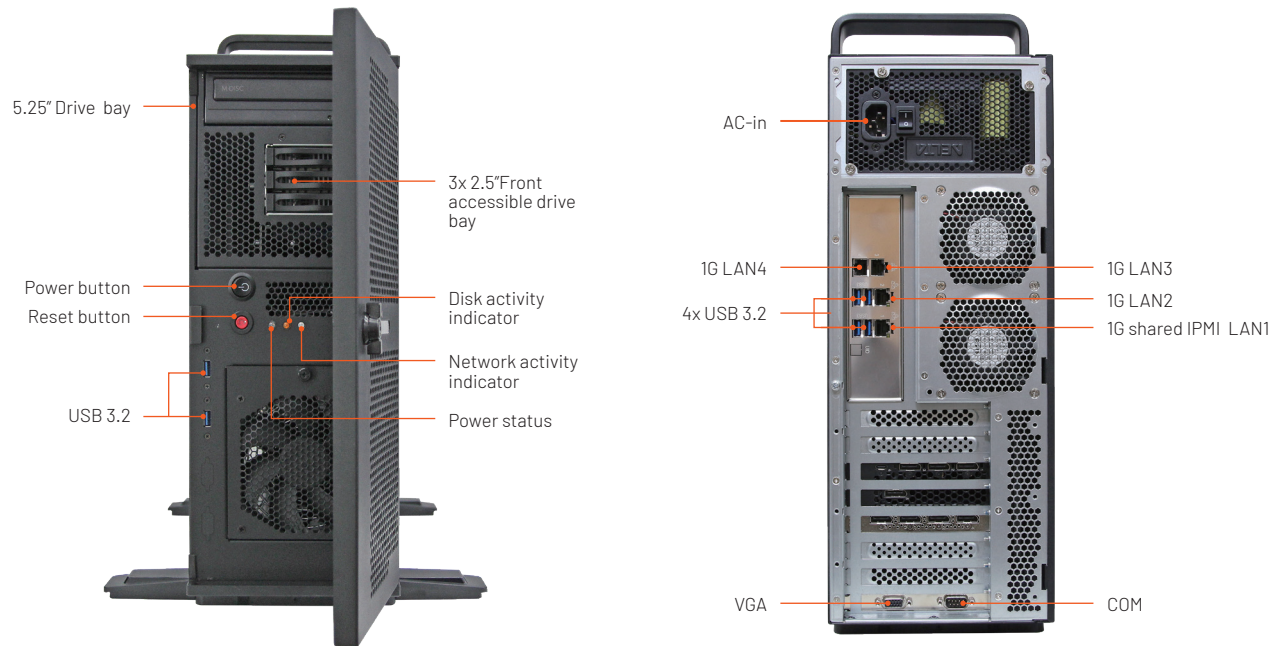
Optional Items

Item	P/N
CPU Cooler for LGA3647 4U	BCC-FAN-364-01R
US Power Cord 1.8M	E170P060390R
EU Power Cord 1.8M	E1702031000R
UK Power Cord 1.8M	E170P060380R
JP Power Cord 1.8M	E170P060410R

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I/O Overview



CPU Support List (HPC Only)

SKU	Launch Date	# of Cores	# of Threads	Processor Base Frequency	Max Turbo Frequency	TDP(W)
Intel® Xeon® Bronze 3106	Q3'17	8	8	1.70 GHz	NA	85
Intel® Xeon® Silver 4109T	Q3'17	8	16	2.00 GHz	3.00 GHz	70
Intel® Xeon® Silver 4110	Q3'17	8	16	2.10 GHz	3.00 GHz	85
Intel® Xeon® Silver 4114T	Q3'17	10	20	2.20 GHz	3.00 GHz	85
Intel® Xeon® Silver 4116	Q3'17	12	24	2.10 GHz	3.00 GHz	85
Intel® Xeon® Silver 4116T	Q3'17	12	24	2.10 GHz	3.00 GHz	85
Intel® Xeon® Gold 5118	Q3'17	12	24	2.30 GHz	3.20 GHz	105
Intel® Xeon® Gold 5119T	Q3'17	14	28	1.90 GHz	3.20 GHz	85
Intel® Xeon® Gold 5120T	Q3'17	14	28	2.20 GHz	3.20 GHz	105
Intel® Xeon® Gold 6126T	Q3'17	12	24	2.60 GHz	3.70 GHz	125
Intel® Xeon® Gold 6126	Q3'17	12	24	2.60 GHz	3.70 GHz	125
Intel® Xeon® Gold 6130T	Q3'17	16	32	2.10 GHz	3.70 GHz	125
Intel® Xeon® Gold 6130	Q3'17	16	32	2.10 GHz	3.70 GHz	125
Intel® Xeon® Gold 6138	Q3'17	20	40	2.00 GHz	3.70 GHz	125
Intel® Xeon® Silver 4209T	Q2'19	8	16	2.20 GHz	3.20 GHz	70
Intel® Xeon® Silver 4210	Q2'19	10	20	2.20 GHz	3.20 GHz	85
Intel® Xeon® Silver 4215	Q2'19	8	16	2.50 GHz	3.50 GHz	85
Intel® Xeon® Silver 4214	Q2'19	12	24	2.20 GHz	3.20 GHz	85
Intel® Xeon® Silver 4216	Q2'19	16	32	2.10 GHz	3.20 GHz	100
Intel® Xeon® Gold 5215	Q2'19	10	20	2.50 GHz	3.40 GHz	85
Intel® Xeon® Gold 5218T	Q2'19	16	32	2.10 GHz	3.80 GHz	105
Intel® Xeon® Gold 6226	Q2'19	12	24	2.70 GHz	3.70 GHz	125
Intel® Xeon® Gold 6230	Q2'19	20	40	2.10 GHz	3.90 GHz	125
Intel® Xeon® Gold 6238T	Q2'19	22	44	1.90 GHz	3.70 GHz	125