



CUBIX
Visualization and HPC Solutions

HostEngine 5URP24 Computer Tech Specs

Front and Rear View



Technical Specifications

Central Processing Unit (CPU)	Intel® Xeon Scalable Processor Series
Number CPUs	2 with identical revision, core voltage and bus (core) speed
Sockets	2 x Socket P LGA 3647
Speeds / Cores / Threads	1.8 – 3.5GHz / up to 28 cores / up to 56 threads
Intel Smart Cache	Up to 38.5MByte L3 cache
UltraPath Interconnect (UPI)	Up to 10.4 GigaTransfers/second (GT/s) across 2 x UPI links
Chipset	Intel C621
Front Side Bus Speed	2666MHz
System Memory Sizes	RDIMM: 64GByte, 32GByte, 16GByte or 8GByte LRDIMM: 128GByte, 64GByte or 32GByte
Type	Standard ECC Registered DIMMs (RDIMMs) Optional Load-Reduced DIMMs (LRDIMMs)
Configuration	DDR4-2666MHz, 2400MHz, 2133MHz
Maximum Size	1TByte using 16 x 3DS ECC Registered DIMMs (RDIMMs) 2TByte using 16 x 3DS ECC Load-Reduced DIMMs (LRDIMMs)
PCI Express Gen 3.0 Slots	
PCIe Expansion	4 x PCI-E 3.0 x16: Slot 1 / 2 from CPU1; Slot 3 / 5 from CPU 2 2 x PCI-E 3.0 x8: Slot 4 / 6 from CPU 2
M.2 Expansion Sockets	1 x PCIe 3.0 x4 from CPU 1, M-Key 2280 and 22110
U.2 Expansion Sockets	2 x PCIe 3.0 x4 from CPU 1
System BIOS	AMI®
Ethernet ports	2 x Intel RJ-45 ports supported by PCH C621 1 x port shared by Aspeed AST2500 BMC with dedicated IPMI
Support	10 / 100 / 1000Mb/s
Serial ATA (SATA) Connectors	SATA 3
Solid-state drive (SSD) No.	24
Drive Format	2.5-inch (63.5mm) solid-state drive (SSD) 3.5-inch SSD
Transfer Rate	6.0GByte / second (theoretical)
Capacity, Terabytes (TB)	100, 12, 10, 8, 6, 4, 2, 1, 0.5 Maximum 2,400TB (2.4PB) with all drives operating
RAID configuration	0, 1, 5 or 10 hardware
DVD Rewriter	8x SATA, access via front panel

Baseboard Mgt Controller	Aspeed AST2500 BMC
Graphics	VGA
Audio Controller	High-Definition (HD) 7.1 with SPDIF-input digital header
Universal Serial Bus (USB)	Version 3.0
Ports	4 x USB 3.0 (5.0Gbits/sec) 2 x USB 3.1 (Type-A and Type-C 10.0Gbits/sec)
Cooling Fans	4
Maximum air flow each	178 cubic feet / minute (cfm)
Remove / Replace	Hot-plug
AC Power Supply	One single-phase, auto-ranging, 100-240VAC, 45-24Amps, 50/60Hz with 3 + 1 x 1,280Watt redundant modules; total output power is not to exceed 3,840Watts
Operating Environment	0° to 30° Celsius (32° to 86° Fahrenheit) temperature 5% to 80% non-condensing humidity
Altitude	Maximum
Operating	10,000ft (3,050meters)
Storage	50,000ft (15,240meters)
Dimensions	8.75" H x 19.00" W x 28.00" D (22.22cm H x 48.26cm W x 71.12cm D)
Weight	49.00 lbs. (24.50kg)
Warranty / Period	Parts & labor return to manufacturer / 2 year
Ext. Warranty Period	Optional 3 rd year