

★ Sangfor HCI Intel-based CPU Models Data Sheet

Model	aServer-X5-1200	aServer-X5-2205	aServer-X5-2305P	aServer-X5-2405	aServer-X4-2405	aServer-J-100Z
CPU	Intel Xeon Gold 6526Y CPU 2.80GHZ 16C/32T 192W	Intel Xeon Gold 6526Y CPU 2.80GHZ 16C/32T 192W	Intel Xeon Gold 6530 CPU 2.1GHZ 32C/64T 270W	Intel Xeon Gold 6548N CPU 2.8GHZ 32C/64T 250W	Intel Xeon Gold 6459C CPU 3.0GHZ 32C/64T 350W	Intel N5105 2.0GHZ 4C4T 10W
No. of CPU	1	2	2	2	2	1
Supported Memory	32GB or 64GB DDR5 5600Mhz	32GB or 64GB DDR5 5600Mhz	32GB or 64GB DDR5 5600Mhz	32GB or 64GB DDR5 5600Mhz	32GB or 64GB DDR5 5600Mhz	16GB
Configured Memory	32GB*4	32GB*4	32GB*4	32GB*4	32GB*4	16GB*1
RAM Slots	16	32	32	32	32	1
OS Disk	1*480GB 2.5" SATA SSD	2*480GB 2.5" SATA SSD	2*480GB 2.5" SATA SSD	2*480GB 2.5" SATA SSD	2*480GB 2.5" SATA SSD	64GB
No. of RAID Card	1	1	1	1	1	N/A
Support RAID Mode	RAID 0/1/0 & JBOD	RAID 0/1/0 & JBOD	RAID 0/1/0 & JBOD	RAID 0/1/0 & JBOD	RAID 0/1/0 & JBOD	N/A
Disk Slots	7 (for data) + 1 (for OS)	12 (for data)+2 (for OS)	12 (for data)+2 (for OS)	12 (for data)+2 (for OS)	12 (for data)+2 (for OS)	N/A
Cache Disks (subject to change)	Options 2.5" SATA SSD: 480GB/960GB/1.92TB/3.84TB/7.68TB 2.5" U.2 NVMe SSD: 480GB/960GB/1.6TB/1.92TB/3.2TB/3.84TB/7.68TB	Options 2.5" SATA SSD: 480GB/960GB/1.92TB/3.84TB/7.68TB 2.5" U.2 NVMe SSD: 1.6TB/1.92TB/3.2TB/3.84TB/7.68TB	Options 2.5" SATA SSD: 480GB/960GB/1.92TB/3.84TB/7.68TB 2.5" U.2 NVMe SSD: 1.6TB/1.92TB/3.2TB/3.84TB/7.68TB	Options 2.5" SATA SSD: 480GB/960GB/1.92TB/3.84TB/7.68TB 2.5" U.2 NVMe SSD: 1.6TB/1.92TB/3.2TB/3.84TB/7.68TB	Options 2.5" SATA SSD: 480GB/960GB/1.92TB/3.84TB/7.68TB 2.5" U.2 NVMe SSD: 1.6TB/1.92TB/3.2TB/3.84TB/7.68TB	N/A
Data Disks (subject to change)	Options 3.5" SATA HDD: 4TB/6TB/8TB/10TB/12TB/16TB 2.5" SATA SSD: 480GB/960GB/1.92TB/3.84TB/7.68TB 2.5" U.2 NVMe SSD: 1.6TB/1.92TB/3.2TB/3.84TB/7.68TB	Options 3.5" SATA HDD: 4TB/6TB/8TB/10TB/12TB/16TB 2.5" SATA SSD: 480GB/960GB/1.92TB/3.84TB/7.68TB 2.5" U.2 NVMe SSD: 1.6TB/1.92TB/3.2TB/3.84TB/7.68TB	Options 3.5" SATA HDD: 4TB/6TB/8TB/10TB/12TB/16TB 2.5" SATA SSD: 480GB/960GB/1.92TB/3.84TB/7.68TB 2.5" U.2 NVMe SSD: 1.6TB/1.92TB/3.2TB/3.84TB/7.68TB	Options 3.5" SATA HDD: 4TB/6TB/8TB/10TB/12TB/16TB 2.5" SATA SSD: 480GB/960GB/1.92TB/3.84TB/7.68TB 2.5" U.2 NVMe SSD: 1.6TB/1.92TB/3.2TB/3.84TB/7.68TB	Options 3.5" SATA HDD: 4TB/6TB/8TB/10TB/12TB/16TB 2.5" SATA SSD: 480GB/960GB/1.92TB/3.84TB/7.68TB 2.5" U.2 NVMe SSD: 1.6TB/1.92TB/3.2TB/3.84TB/7.68TB	N/A
Default NIC	4*GbE Base-T + 2*10GbE SFP+	4*GbE Base-T + 2*10GbE SFP+	4*GbE Base-T + 2*10GbE SFP+	4*GbE Base-T + 2*10GbE SFP+	4*GbE Base-T + 2*10GbE SFP+	1*GbE Base-T
Optional NIC	4*GbE Base-T 2*10GbE Base-T 2*10GbE SFP+/4*10GbE SFP+ 2*25GbE SFP28	4*GbE Base-T 2*10GbE Base-T 2*10GbE SFP+/4*10GbE SFP+ 2*25GbE SFP28	4*GbE Base-T 2*10GbE Base-T 2*10GbE SFP+/4*10GbE SFP+ 2*25GbE SFP28	4*GbE Base-T 2*10GbE Base-T 2*10GbE SFP+/4*10GbE SFP+ 2*25GbE SFP28	4*GbE Base-T 2*10GbE Base-T 2*10GbE SFP+/4*10GbE SFP+ 2*25GbE SFP28	N/A
USB	3	4	4	4	4	4
Dimension (Support 19inch Standard Form Factor Rack)	2U 800mm (L) × 435mm (W) × 87mm (H) or 797mm (L) × 447mm (W) × 87mm (H)	2U 800mm (L) × 435mm (W) × 87mm (H) or 798mm (L) × 447mm (W) × 86mm (H) or 797mm (L) × 447mm (W) × 87mm (H)	2U 800mm (L) × 435mm (W) × 87mm (H) or 798mm (L) × 447mm (W) × 86mm (H) or 797mm (L) × 447mm (W) × 87mm (H)	2U 800mm (L) × 435mm (W) × 87mm (H) or 798mm (L) × 447mm (W) × 86mm (H) or 797mm (L) × 447mm (W) × 87mm (H)	2U 800mm (L) × 435mm (W) × 87mm (H)	178mm (L) × 110mm (W) × 28mm (H)
Gross Weight	47kg	41kg	41kg	41kg	41kg	
Net Weight	37kg	32kg	32kg	32kg	32kg	0.93kg
Total PCIe Slots	3	4	4	4	6	N/A
Available PCIe Slots	1	2	2	2	4	N/A
Redundant Power Specs	800W/1300W/1600W/100-240VAC] [240VDC]	1500W/2000W/100-240VAC] [240VDC]	2000W/100-240VAC] [240VDC]	2000W/100-240VAC] [240VDC]	2000W (Redundant, Platinum)	
Power Supply Hot Swap	Yes	Yes	Yes	Yes	Yes	No
Working Power	Typical Power: 650W or 900W Max Power: 800W or 1300W or 1600W	Typical Power: 797W Max Power: 1500W or 2000W	Typical Power: 1016W Max Power: 2000W	Typical Power: 976W Max Power: 2000W	Typical Power: 1400W Max Power: 2000W	Typical Power: 17W Max Power: 60W
VGA	2	1	1	1	1	No, 2*HDMI+1DP
Fans	4 (Hot-swappable)	4 (Hot-swappable)	4 (Hot-swappable)	4 (Hot-swappable)	4 (Hot-swappable)	N/A
USB	4 (USB 2.0 & above)	4 (USB 2.0 & above)	4 (USB 2.0 & above)	4 (USB 2.0 & above)	4 (USB 2.0 & above)	4*USB2.0+4*USB3.0+1*TypeC
IPMI (1GbE)	1	1	1	1	1	N/A
Working Temperature	10-35 C	10-35 C	10-35 C	10-35 C	10-35 C	0-40 C
Working Humidity	35%-80%RH	35%-80%RH	35%-80%RH	35%-80%RH	35%-80%RH	5%-95%RH

The weight, PSU, and dimensions are not fixed due to the use of multiple suppliers. Please double confirm with the Sangfor representative before bidding.

★ Sangfor HCI AMD-based CPU Models Data Sheet

Model	aServer-Z4-2405	aServer-Z4-2605
CPU	AMD EPYC™ 9354 CPU 3.25GHz 32C/64T 280W	AMD EPYC™ 9554 CPU 3.1GHz 64C/128T 360W
No. of CPU	2	2
Supported Memory	32GB or 64GB DDR5 5600Mhz	32GB or 64GB DDR5 5600Mhz
Configured Memory	32GB*8	32GB*8
RAM Slots	24	24
OS Disk	2*480GB 2.5" SATA SSD	2*480GB 2.5" SATA SSD
No. of RAID Card	1	1
Support RAID Mode	RAID 0/1/10 & JBOD	RAID 0/1/10 & JBOD
Disk Slots	12 (for data)*2 (for OS)	12 (for data)*2 (for OS)
Cache Disks (subject to change)	Options 2.5" SATA SSD: 480GB/960GB/1.92TB/3.84TB/7.68TB 2.5" U.2 NVMe SSD: 480GB/960GB/1.6TB/1.92TB/3.2TB/3.84TB/7.68TB	Options 2.5" SATA SSD: 480GB/960GB/1.92TB/3.84TB/7.68TB 2.5" U.2 NVMe SSD: 1.6TB/1.92TB/3.2TB/3.84TB/7.68TB
Data Disks (subject to change)	Options 3.5" SATA HDD: 4TB/8TB/16TB/10TB/12TB/16TB 2.5" SATA SSD: 480GB/960GB/1.92TB/3.84TB/7.68TB 2.5" U.2 NVMe SSD: 1.6TB/1.92TB/3.2TB/3.84TB/7.68TB	Options 3.5" SATA HDD: 4TB/8TB/16TB/10TB/12TB/16TB 2.5" SATA SSD: 480GB/960GB/1.92TB/3.84TB/7.68TB 2.5" U.2 NVMe SSD: 1.6TB/1.92TB/3.2TB/3.84TB/7.68TB
Default NIC	4*GbE Base-T + 2*10GbE SFP+	4*GbE Base-T + 2*10GbE SFP+
Optional NIC	4*GbE Base-T 2*10GbE Base-T 2*10GbE SFP+/ 4*10GbE SFP+ 2*25GbE SFP28	4*GbE Base-T 2*10GbE Base-T 2*10GbE SFP+/ 4*10GbE SFP+ 2*25GbE SFP28
USB	4	4
Dimension (Support 19inch Standard Form Factor Rack)	2U 823 mm (L) × 446 mm (W, without rack ears) × 87 mm (H) 823 mm (L) × 482 mm (W, with rack ears) × 87 mm (H)	2U 823 mm (L) × 446 mm (W, without rack ears) × 87 mm (H) 823 mm (L) × 482 mm (W, with rack ears) × 87 mm (H)
Gross Weight	38kg	38kg
Net Weight	35kg	35kg
Total PCIe Slots	6	6
Available PCIe Slots	2	2
Power Specs	2000W (Redundant, Platinum)	2000W (Redundant, Platinum)
Power Supply Hot Swap	Yes	Yes
Working Power	Typical Power: 950W Max Power: 2000W	Typical Power: 1365W Max Power: 2000W
Fans	4 (Hot-swappable)	4 (Hot-swappable)
VGA	2	2
Serial Port	1	1
IPMI (1GbE)	1	1
Working Temperature	10-35 C	10-35 C
Working Humidity	35%-80%RH	35%-80%RH

The weight, PSU, and dimensions are not fixed due to the use of multiple suppliers. Please double confirm with the Sangfor representative before bidding.

★ Sangfor HCI Datasheet - Software

Sangfor can also provide a software-only HCI solution compatible with most of the commodity servers commercially available on the market.

License (Per physical CPU)	aSV (Server Virtualization)	Server Virtualization, HA, DRS, Automated Hot Add, Backup, Clone, Sub Administrator, etc.
License (Per physical CPU)	aNet (Network Virtualization)	Network virtualization, Distributed Firewall, Drawable Topology, Visualized Network, aSwitch, aRouter, etc. (HCI Supports IPv4 for all features and IPv6 in VMs, vRouter and vSwitch)
License (Per physical CPU)	aSAN (Storage Virtualization)	2-3 Copies, SSD Read & Write Acceleration, Storage Tier-ing, Data Locality, etc.

* NFV components on HCI may employ IPsec VPN technologies using encryption algorithms.

- IPsec Protocol: AH, ESP
- D-H Group: MODP768 Group(1), MODP1024 Group(2), MODP1536 Group(5)
- IPsec Authentication Algorithm: MD5, SHA-1, SHA-2, SM3
- IPsec Encryption Algorithm: DES, 3DES, AES-128, AES-256, SANGFOR_DES, SCB2, SM4

★ CERTIFIED BY CCC, FCC and CE.



Model aServer-X4-2405 is a limited-time promotional model and does not have FCC certification.