


SANGFOR HCI
Hyper-Converged Infrastructure Data Sheet
★ Sangfor HCI Data Sheet – Appliance Based

Model	aServer-1800	aServer-2100	aServer-2105	aServer-2205	aServer-2305	Configuration Remark
Height	2U	2U	2U	2U	2U	
CPU Model	Intel® Xeon® Silver 4210R	Intel® Xeon® Silver 4210R	Intel® Xeon® Silver 4210R	Intel® Xeon® Gold 6226R	Intel® Xeon® Gold 5220R	CPU is not expandable (C stands for Core and T stands for Thread)
No. of CPU	1	2	2	2	2	
CPU Specs	10C20T 2.4GHZ	10C20T 2.4GHZ	10C20T 2.4GHZ	16C32T 2.9GHZ	24C48T 2.2GHZ	
Standard Memory	64G (2*32)	128G (4*32)	128G (4*32)	128G (4*32)	128G (4*32)	
Memory Slot	24	24	24	24	24	Expandable with 32GB memory stripes
Memory Frequency	DDR4 2933MHz	DDR4 2933MHz	DDR4 2933MHz	DDR4 2933MHz	DDR4 2933MHz	
Max. Memory	384G	768G	768G	768G	768G	
Disk Slot	8	8	12	12	12	
OS Disk (By default)	1*128G SSD	1*128G SSD	2*128G SSD	2*128G SSD	2*128G SSD	OS disks are installed on the dual-slot on the backplane of the server, all models are configured with RAID 1 except 2100
Cache Disk (SSD, mandatory for aSAN cache and tier-ing)	Options: 240GB SSD Intel S4600 480GB SSD Intel S4600 960GB SSD Intel S4600 1.9TB SSD Intel S4600	Options: 240GB SSD Intel S4600 480GB SSD Intel S4600 960GB SSD Intel S4600 1.9TB SSD Intel S4600	Options: 240GB SSD Intel S4600 480GB SSD Intel S4600 960GB SSD Intel S4600 1.9TB SSD Intel S4600	Options: 240GB SSD Intel S4600 480GB SSD Intel S4600 960GB SSD Intel S4600 1.9TB SSD Intel S4600	Options: 240GB SSD Intel S4600 480GB SSD Intel S4600 960GB SSD Intel S4600 1.9TB SSD Intel S4600	Optional. Need to purchase separately
Data Disk	Options: 2TB SATA HDD (Enterprise) 4TB SATA HDD (Enterprise) 6TB SATA HDD (Enterprise) 8TB SATA HDD (Enterprise)	Options: 2TB SATA HDD (Enterprise) 4TB SATA HDD (Enterprise) 6TB SATA HDD (Enterprise) 8TB SATA HDD (Enterprise)	Options: 2TB SATA HDD (Enterprise) 4TB SATA HDD (Enterprise) 6TB SATA HDD (Enterprise) 8TB SATA HDD (Enterprise)	Options: 2TB SATA HDD (Enterprise) 4TB SATA HDD (Enterprise) 6TB SATA HDD (Enterprise) 8TB SATA HDD (Enterprise)	Options: 2TB SATA HDD (Enterprise) 4TB SATA HDD (Enterprise) 6TB SATA HDD (Enterprise) 8TB SATA HDD (Enterprise)	Optional. Need to purchase separately
Disk Slot Size	3.5/2.5 inch	3.5/2.5 inch	3.5/2.5 inch	3.5/2.5 inch	3.5/2.5 inch	Intel X722: 1GE Port Intel X720-F2: 10G SFP + Port
NIC Ports (Customizable)	6*GE electrical	6*GE electrical + 2*10GE optical	6*GE electrical + 2*10GE optical	6*GE electrical + 2*10GE optical	6*GE electrical + 2*10GE optical	
Working Power	468W	468W	518W	618W	618W	
Max. Power	800W	800W	800W	800W	800W	
Dimension (mm)	800*448*90	800*448*90	800*448*90	800*448*90	800*446*90	
Gross Weight (kg)	42	42	45	45	45	
Net Weight (kg)	35	35	37	37	37	
Power supply	1+1 Platinum 800W [100-240VAC] [240VDC]	1+1 Platinum 800W [100-240VAC] [240VDC]	1+1 Platinum 800W [100-240VAC] [240VDC]	1+1 Platinum 800W [100-240VAC] [240VDC]	1+1 Platinum 800W [100-240VAC] [240VDC]	
Total PCI-e Slots	5	5	5	5	5	
Available PCI-e Slots	2	3	2	2	2	PCI-E slot is used to expand NIC, HBA card or PCI-e SSD
Raid Card	LSI SAS 3008-8i	LSI SAS 3008-8i	LSI SAS 3008-8i	LSI SAS 3008-8i	LSI SAS 3008-8i	
Raid Mode	JBOD/Raid 0/1/10	JBOD/Raid 0/1/10	JBOD/Raid 0/1/10	JBOD/Raid 0/1/10	JBOD/Raid 0/1/10	


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Cache on RAID Card	No cache	No cache	No cache	No cache	No cache	
COM	1	1	1	1	1	
USB 2.0	2	2	2	2	2	
USB 3.0	2	2	2	2	2	
VGA	1	1	1	1	1	
Working Temperature Range	10-35°C	10-35°C	10-35°C	10-35°C	10-35°C	
Working Humidity Range	35-80% RH	35-80% RH	35-80% RH	35-80% RH	35-80% RH	

★ **Sangfor HCI Data Sheet – Software Based**

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.
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, CE and KC.**

