

Huawei RH5885H V5 VS Servers of HPE, H3C, Lenovo, Dell, Inspur and Sugon

Server Model		Huawei RH5885H v5 Rack Server (4U)--- 2 floors motherboard design	Huawei RH2488H v5 Rack Server (2U)--- 2 floors motherboard design	Huawei RH2488 v5 Rack Server(2U)---- single floor motherboard design	HPE ProLiant DL560 Gen10 Server(2U) ---2 floors motherboard design	HPE ProLiant DL580 Gen10 Server (4U) ---2 floors motherboard design	H3C UniServer R6900 G3 (4U)---single floor motherboard design	Dell PowerEdge R940 Rack Server(3U) ----2 floors motherboard design
Advantages of Dell Servers								1. Support 4U expansibility in 3U chassis; 2. RAID card Cache 8GB 3. NVDIMM support, low latency, high IO, data protection; 4. Efficient and automated server management platform of dell 14 generation server platform with server life cycle management; 5. Dell 14 generation server consistent security features, Root Trust;
Disadvantages of Dell Servers								
CPU	Model	Intel® Xeon® Scalable	Intel® Xeon® Scalable processors	Intel® Xeon® Scalable processors	Intel® Xeon® Scalable processors	Intel® Xeon® Scalable processors	Intel® Xeon® Scalable processors	Intel® Xeon® Scalable processors

Server Model		Huawei RH5885H v5 Rack Server (4U)--- 2 floors motherboard design	Huawei RH2488H v5 Rack Server (2U)--- 2 floors motherboard design	Huawei RH2488 v5 Rack Server(2U)---- single floor motherboard design	HPE ProLiant DL560 Gen10 Server(2U) ---2 floors motherboard design	HPE ProLiant DL580 Gen10 Server (4U) ---2 floors motherboard design	H3C UniServer R6900 G3 (4U)---single floor motherboard design	Dell PowerEdge R940 Rack Server(3U) ----2 floors motherboard design
		processors 8100/6100/5100	8100/6100/5100	8100/6100/5100	8100/6100/5100	8100/6100/5100	8100/6100/5100	8100/6100/5100/8200/6200/5200
	CPU model	Platinum 8180M 28C 205W 2.5GHz	8180 28 Core 2.5GHz	8180 28 Core 2.5GHz	Platinum 8180M	Platinum 8180M	Platinum 8180M	8180M
Chipset		Intel C622	Intel C622	Intel C622	Intel C621	Intel C621	Intel C621	Intel C621
RAM	Model	48 DDR4 DIMM slots, up to 2666MT/s 12 DDR4 DIMM slots per CPU	48 DIMM 64GB/2666MHz	32 DIMM 64GB/2666MHz	DDR4 RDIMM,LRDIMM, NVDIMM	DDR4 RDIMM,LRDIMM	DDR4 RDIMM,LRDIMM, NVDIMM	DDR4 2667MHz RDIMM/LRDIMM/NVDIMM
	Total Capacity	RDIMMs supports up to 3TB. LRDIMMs supports up to 6TB.	Up to 48 DDR4 memory slots (12 DDR4 memory slots per processor) with support for RDIMM and LRDIMM. Memory speeds up to 2666MT/s. RDIMM: 48 32 GB RDIMM, Max. memory is 1.5TB. LRDIMM: 48 64 GB	Up to 32 DDR4 memory slots (8 DDR4 memory slots per processor) with support for RDIMM and LRDIMM. Memory speeds up to 2666MT/s. RDIMM: 32 32 GB RDIMM, Max. memory of 1TB. RDIMM: 32 64 GB RDIMM, Max.	6TB	6TB	6TB	6TB

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			LRDIMM, Max. memory of 3TB.	memory of 2TB. LRDIMM: 32 64 GB LRDIMM, Max. memory of 2TB. LRDIMM: 32 128gb LRDIMM, Max. memory of 4TB.				
Storage controller	Model	Optional support for RAID0, 1, 5, 50, 6, 60, etc., support for Cache ulc protection, provide RAID state migration, RAID configuration memory, self-diagnosis, Web remote setup and other functions	Broadcom MegaRAID 9361-8i standard PCIe RAID card, supports RAID0/1/5/6/10/50/60, supports 1GB cache, supports ulc-capacitor protection. Huawei 3508 standard PCIe RAID card, support RAID0/1/5/6/10/50/60, support 2/4GB cache, support ulc protection.	Broadcom MegaRAID 9361-8i standard PCIe RAID card, supports RAID0/1/5/6/10/50/60, supports 1GB cache, supports ulc-capacitor protection. Huawei 3508 standard PCIe RAID card, support RAID0/1/5/6/10/50/60, support 2/4GB cache, support ulc protection.	S100i,E208i/e,P408i/e,P816i	S100i,E208i/e,P408i/e	On board HW RAID: SATA RAID0/1/10/5; option PCIe 3.0 HBA and RAID card slots	S140/H330/H730P/H740 P/H840

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	Cache Size/Maximum	NA	4GB	4GB	0/2GB/4GB	0/2GB/4GB	2GB	8GB
	Cache Protection Type	N/A	N/A	N/A	flash-backed write cache (FBWC).		FBWC	
	Battery or Capacitance	Capacitance	Battery	Battery	Battery	Battery	Battery or Capacitance	Battery
	Main technical characteristics	N/A	Broadcom MegaRAID 9361 Huawei 3508 standard PCIe RAID card	Broadcom MegaRAID 9361 Huawei 3508 standard PCIe RAID card	12Gb	12Gb SAS, up to 240 pieces	N/A	H840 8GB cache (LSI 3508) external H740P 8GB cache (LSI 3508) H730P 2GB cache (LSI 3108) H330 (LSI 3008) HBA (LSI 3008) S140 (software Raid, support NVMe)
SD Card	Number of SD cards	2	N/A	N/A	2	2	2	2
	SD card	N/A	N/A	N/A	8GB/32GB	8GB/32GB	N/A	64GB

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	capacity							
	SD cards can form RAID levels	N/A	N/A	N/A	RAID 1	RAID 1	RAID 1	1
M.2	M.2 quantity	2	N/A	N/A	2	2	N/A	2
	M. 2 single chip capacity	N/A	N/A	N/A	960GB	Max. 960GB	N/A	240GB
	M.2 RAID levels	NA	N/A	N/A	RAID 1	RAID 1	N/A	1
Network card	Sub-Card (NDC Card Type)	Onboard network card: 2 10GE interfaces and 2 GE interfaces	Mainboard provides 2*GE electrical port and 2*10GE optical port, this is the inherent configuration, can not be optional	Mainboard provides 2*GE electrical port and 2*10GE optical port, this is the inherent configuration, can not be optional	4x1Gb/2x10Gb/4x10Gb/2x25Gb (FlexibleLOM)	Default 4x1Gb (FlexibleLOM) Optional 2x10Gb/4x10Gb/2x25Gb	mLOM expandable 4xGE, 2x10GE , 2x10GE optical, mLOM support NCSI, PCI-E 3.0 的 NIC card option	4 1GE interfaces, or 2 10GE interfaces plus 2 1GE interfaces, or 4 10GE interfaces, or 2 25GE interfaces
	PCIe (occupies a standard	Up to 15 PCIe expansion slots: 15 PCIe 3.0 standard	A total of 11 PCI-e slots are provided	A total of 9 PCI-e slots are provided	N/A	N/A		Yes

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	slot)	CARDS (3x4, 8x8, 4x16) • supports 2 dual-width full-length GPU CARDS (x16)						
GPU	GPU Max Supported Blocks	Max. 2 full height full length	3	0	2	4	2 DW, 4SW	0
	GPU model	N/A	nVidia Tesla P4 single width	N/A	P2000 single width	P40/P6000	N/A	N/A
FPGA	FPGA Maximum Supported Blocks	N/A	0	0	N/A	N/A	N/A	0
	FPGA model	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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Hard drive backplane	Type (including the maximum number of supported hard disks)	- Configurable 8 front-facing 2.5 in SAS/SATA hard disks - Configurable 24 front-facing 2.5 in SAS/SATA hard disks - configurable 25 front-facing 2.5 in SAS/SATA hard disks - Configurable 16 front-facing 2.5 in SAS/SATA hard disk and eight front-facing 2.5 -inch NVMe SSD hard disks	8 SAS/SATA hard disk configuration: Up to 8 front 2.5-inch SAS/SATA hard drives are supported, and 1 PCIe RAID card is required. This configuration can support the front panel DVD built-in drive, the default support VGA interface and USB 3.0 interface. 24 SAS/SATA hard disk configuration: Up to 24 front-facing 2.5-inch SAS/SATA drives are supported, requiring three PCIe RAID CARDS,	8 SAS/SATA hard disk configuration: Up to 8 front facing 2.5-inch SAS/SATA drives are supported, with 1 RAID card configured. The front panel DVD drive or LCD module can be supported under this configuration. 25 SAS/SATA hard disk configuration: Up to 25 front-facing 2.5-inch SAS/SATA drives are supported, requiring 1 RAID card.	24 SFF/12 NVMe	48 SFF/20 NVMe	Front: 48 x 2.5" ,SATA/SAS/SSD, 20X NVMe SSD	24*2.5"/12* NVMe

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			each connected directly to eight hard drives. 25 SAS/SATA hard disk configuration: Up to 25 front-facing 2.5-inch SAS/SATA drives are supported, requiring 1 PCIe RAID card.					
	Whether to support hard disk hot swap	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Hard disk configuration	Model and quantity	SAS/SATA/NVMe; Max. 25 x 2.5"; Max. 12 x NVMe	8 front facing 2.5-inch SAS/SATA hard drives 24 front facing 2.5-inch SAS/SATA hard drives 25 front 2.5-inch	8 front facing 2.5-inch SAS/SATA hard drives 25 front 2.5-inch SAS/SATA hard drives	24 SFF/12 NVMe	48 SFF/20 NVMe	SATA/SAS/NvMe 48 x 2.5"; 20 x NVMe;	SAS/SATA : 24*2.5"

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			SAS/SATA hard drives					
Chassis	Dimension s (cm)	4U height: 175 mm width: 447 mm depth: 790 mm	2U height; fully equipped with 31Kg	2U height; fully equipped with 31Kg	2U: 8.75 x 44.54 x 75.47cm	4U: 17.48 x 44.54 x 75.47cm	4U: (174.8Hx444Wx 807.4D)mm	48.2*13*81.3; 50kg
	Ventilation method	Wind after wind	Air-cooled	Air-cooled	Forward wind	Wind after wind	Wind after wind	Wind after wind
Temperature	Equipment operating temperature range (°C)	Max. 5° -45°	Operating temperature: 5°C ~ 45°C (41°F ~ 113°F)	Operating temperature: 5°C ~ 45°C (41°F ~ 113°F)	5° -45°	5° -45°	N/A	10° C to 35° C
	Equipment working humidity range	N/A	Operating humidity: 8% RH to 90% RH (non-condensing)	Operating humidity: 8% RH to 90% RH (non-condensing)	8% - 90%	8% - 90%	5°C ~45°C	10% to 80%
Hot-swappable power supplies	Nominal power of single power supply	- AC to 127V AC or 200V AC to 240V AC or 190V DC to 300V DC) - 900W AC power	• 2000W AC power module (Note2) • 1500W AC power module	• 2000W AC power module (Note2) • 1500W AC power module (power supply: 100V AC ~	800W/1600W	800W/1600W	Optional up to 4 800W/1200W/1600 W high efficiency redundant power supply, support or	Platinum 1100W, 1600W, 2000W, 2400W, 336-380vdc 1100W Gold class 48VDC 1100W

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	(W)	module (power supply: 100V AC to 240V AC or 190V DC to 290V DC) - 1200W DC power module (power supply: -38.4Vdc ~ -72Vdc) (Note 1)	(power supply: 100V AC ~ 127V AC or 200V AC ~ 240V AC or 190V DC ~ 300V DC) • 900W AC power module (power supply: 100V AC ~ 240V AC or 190V DC ~ 290V DC) • 1200W DC power module (power supply: -38.4V DC ~ -72V DC)	127V AC or 200V AC ~ 240V AC or 190V DC ~ 300V DC) • 900W AC power module (power supply: 100V AC ~ 240V AC or 190V DC ~ 290V DC) • 1200W DC power module (power supply: -38.4V DC ~ -72V DC)			240VDC/336VDC	
	Quantity	4	2 1+1 redundant backup	2 1+1 redundant backup	1 to 2	1900/1/4	1900/1/4	2
	Dual power mode	Redundancy	Redundancy	Redundancy	The main case/LB	The main case/LB	The main case/LB	Redundancy
	Input method	4 redundant hot-swappable power supplies can	100V AC to 240V AC compatible with 240V DC	100V AC to 240V AC compatible with 240V DC	100 - 127 VAC, 200 - 240 VAC, 240VDC (800W Platinum PS	100 - 127 VAC, 200 - 240 VAC, 240VDC (800W Platinum PS	AC/HVDC	220VDC/48VDC/380HVD C/240HVDC

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		be configured, supporting 2 + 2 redundancy. The optional power modules are as follows: • 1500W AC power module (power supply: 100V AC ~ 127V AC or 200V AC ~ 240V AC or 190V DC ~ 300V DC) • 900W AC power module (power supply: 100V AC to 240V AC or 190V DC to 290V DC) • 1200W DC power module (power supply: -38.4Vdc to -72Vdc) (Note 1)			only) 200 - 240 VAC, 240VDC(800W Titanium PS only) 200 V to 277 VAC, 380 VDC (800W Universal PS only) -40 VDC to -72 VDC, -48 VDC nomiN/AI input (800W -48VDC PS only) 200 - 240 VAC, 240 VDC for ChiN/A only (1600W PS Only)	only) 200 - 240 VAC, 240 VDC(1600W PS only)		

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PCI-E (I/O)	Quantity	Up to 15 PCIe expansion slots: 15 PCIe 3.0 standard CARDS (3x4, 8x8, 4x16) • supports 2 dual-width full-length GPU CARDS (x16)	Up to 11 PCIe 3.0 PCIe expansion slots are supported, where: • 1 x4 interface (using x8 slot) • 7 x8 interfaces • 3 x16 interfaces	Supports up to 9 PCIe 3.0 PCIe expansion slots, where: • 5 x8 interfaces • 4 x16 interfaces	8	16	16 PCIe 3.0 available slots (supports 4 full-width gpus)	13
USB port	Quantity	N/A	Front panel provides 2 USB 2.0, 1 USB 3.0 Panel offers 2 USB 3.0	Front panel provides 2 USB 2.0, 1 USB 3.0 Panel offers 2 USB 3.0	3 x USB 3.0 (front); 2 x USB 3.0 (rear);	9	4 USB 3.0 (1 front, 2 back, 1 built-in), 2 USB 2.0, support 2 MicroSD extensions	5
Out-of-band management	Yes or No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	The main function	UEFI iBMC Adopt independent interface, support	UEFI iBMC Adopt independent interface, support SNMP, IPMI,	UEFI iBMC Adopt independent interface, support SNMP, IPMI, provide	HPE iLO Standard with smart configuration (embedded), HPE OneView Standard	HPE iLO Standard with smart configuration (embedded), HPE OneView Standard	HDM has no agent management tools (with independent management port) and H3C FIST	IPMI 2.0 compliant IDRAC9 with life cycle controller (Express edition, Enterprise edition)

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		SNMP, IPMI, provide GUI, virtual KVM, virtual media, SOL, intelligent power supply, remote control, hardware monitoring and other features. Support for NCSI for onboard network ports. Support for huawei eSight management software, support for VMware vCenter, Microsoft SystemCenter, N/Agios and other third party management system integration	provide GUI, virtual KVM, virtual media, SOL, intelligent power supply, remote control, hardware monitoring and other features. Support for NCSI for onboard network ports. Support for huawei eSight management software, support for VMware vCenter, Microsoft SystemCenter, N/Agios and other third party management system integration	GUI, virtual KVM, virtual media, SOL, intelligent power supply, remote control, hardware monitoring and other features. Support for NCSI for onboard network ports. Support for huawei eSight management software, support for VMware vCenter, Microsoft SystemCenter, N/Agios and other third party management system integration	(download required) (Standard), HPE iLO Advanced、HPE iLO Advanced Premium Security Edition and HPE OneView Advanced (optional)	(download required) (Standard), HPE iLO Advanced、HPE iLO Advanced Premium Security Edition and HPE OneView Advanced (optional)	management software	Optional Quick Sync 2 wireless module

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Energy management	Yes or No	N/A	N/A	N/A	Yes	Yes	N/A	Yes
System cooling fan		N/A	N/A	N/A	6 hot plug fans, support N+1 redundancy	12	12 N+1 redundancy hot plug fans	Wind deflector plate, vector heat dissipation
LCD display		LCD LCD panel (touchable) Fault diagnosis digital tub	Only fault diagnosis digital tube	LCD LCD panel (touchable) Fault diagnosis digital tub	Systems Insight Display	Systems Insight Display	N/A	Optional
Host front panel with keyhole and key					Yes	Yes	N/A	Yes
Other		Safety characteristics Add electric password Administrator password TPM 2.0 Safe launch Safety panel	Safety characteristics Add electric password Administrator password TPM 2.0 Safe launch Safety panel	Safety characteristics Add electric password Administrator password TPM 2.0 Safe launch Safety panel			N/A	Cryptographically signed firmware; Hardware Root of Trust; Secure Boot; System Lockdown; System Erase; OpenMaN/Age connections: N/Agios & N/Agios XI, Oracle Enterprise MaN/Ager, HP Operations MaN/Ager, IBM Tivoli

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							Netcool/OMNibus, IBM Tivoli® Network MaN/Ager, CA Network and Systems MaN/Agement

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Advantages of Dell Servers								
Disadvantages of Dell Servers								

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CPU	Model	Intel® Xeon® Scalable processors 8100/6100/5100	Intel® Xeon® Scalable processors 8100/6100/5100	Intel® Xeon® Scalable processors 8100/6100/5100	Intel® Xeon® Scalable processors 8100/6100/5100 (up to 8 processors)	Intel® Xeon® Scalable processors 8100/6100/5100	Intel® Xeon® Scalable processors 8100/6100/5100	Intel® Xeon® Scalable processors 8100/6100/5100	Intel® Xeon® Scalable processors 8100/6100
	CPU model	Platinum 8180M 28C 205W 2.5GHz	Intel Xeon Platinum 8176 28C 165W 2.1GHz	Intel Xeon Platinum 8176 28C 165W 2.1GHz	Platinum 8180M 28C 205W 2.5GHz	N/A	N/A	Platinum 8180M 28C 205W 2.5GHz	N/A
Chipset		Intel C622	Intel C624	Intel C624	Intel C624	Intel C620 series	N/A	Intel C624/intel 627	intel 620 series
RAM	Model	48 DDR4 DIMM slots, up to 2666MT/s 12 DDR4 DIMM slots per CPU	48 DDR4 DIMM slots, up to 2666MT/s 12 DDR4 DIMM slots per CPU	48 DDR4 DIMM slots, up to 2666MT/s 12 DDR4 DIMM slots per CPU	96 DDR4 DIMM slots (in the case of 8 cpus) up to 2666MT/s 12 DDR4 DIMM slots per CPU	Supports 48 DDR4 2666MHz	48 memory slots, up to ddr4-2666 memory	48 memory slots, up to ddr4-2666 memory	48 memory slots, up to ddr4-2666 memory
	Total Capacity	RDIMMs supports up to 3TB. LRDIMMs supports up to 6TB.	RDIMMs supports up to 1.5TB (4 CPU). LRDIMMs supports up to 3TB (4 CPU). 3DS RDIMMs supports up to 6TB (4 CPU).	RDIMMs supports up to 1.5TB (4 CPU). LRDIMMs supports up to 3TB (4 CPU). 3DS RDIMMs supports up to 6TB (4 CPU).	RDIMMs supports up to 3TB (8 CPU). LRDIMMs supports up to 6TB (8 CPU). 3DS RDIMMs supports up to 12TB (8 CPU).	RDIMM/LRDIMM, up to 6TB of memory		RDIMMs supports up to 3TB. LRDIMMs supports up to 6TB. NVDIMM	RDIMMs supports up to 3TB. LRDIMMs supports up to 6TB. NVDIMM

Server Model		Huawei RH5885H v5 Rack Server (4U)--- 2 floors motherboard design	Lenovo ThinkSystem SR850 Server (2U) --- 2 floors motherboard design	Lenovo ThinkSystem SR860 Server(4U)	Lenovo ThinkSystem SR950 Server(4U)-4U chassis can be upgraded to 8-way server	Inspur NF8260 M5 Server(2U)	Inspur NF8460 M5 Server(4U)	Inspur NF8480 M5 Server (4U,single floor motherboard design)	Sugon I840-G30 Server
								support	support
Storage controller	Model	Optional support for RAID0, 1, 5, 50, 6, 60, etc., support for Cache ulc protection, provide RAID state migration, RAID configuration memory, self-diagnosis, Web remote setup and other functions	12Gbps RAID Controller: ThinkSystem RAID 530-8i PCIe 12Gb Adapter ThinkSystem RAID 730-8i 1GB Cache PCIe 12Gb Adapter ThinkSystem RAID 930-8i 2GB Flash PCIe 12Gb Adapter ThinkSystem RAID 930-16i 4GB Flash PCIe 12Gb Adapter 12Gbps non-RAID HBA card: ThinkSystem 430-8i SAS/SATA 12Gb	12Gbps RAID Controller: ThinkSystem RAID 530-8i PCIe 12Gb Adapter ThinkSystem RAID 730-8i 1GB Cache PCIe 12Gb Adapter ThinkSystem RAID 930-8i 2GB Flash PCIe 12Gb Adapter ThinkSystem RAID 930-16i 4GB Flash PCIe 12Gb Adapter 12Gbps non-RAID HBA card: ThinkSystem 430-8i SAS/SATA 12Gb HBA	12Gbps RAID Controller: ThinkSystem RAID 530-8i PCIe 12Gb Adapter ThinkSystem RAID 730-8i 1GB Cache PCIe 12Gb Adapter ThinkSystem RAID 930-8i 2GB Flash PCIe 12Gb Adapter ThinkSystem RAID 930-16i 4GB Flash PCIe 12Gb Adapter 12Gbps non-RAID HBA caed: ThinkSystem 430-8i SAS/SATA 12Gb	Support 6/12G RAID card, support RAID0, 1, 10, 1E, 5, 50, 6, 60, etc., support Cache super capacitor protection, provide RAID state migration, RAID configuration memory	N/A	Raid card: LSI 9361-8i (1GB); INSPUR 0820P (2GB); LSI 9460-8i (2GB); INSPUR 0820L (2GB) LSI 9361-8i (2GB) INSPUR 0840L (4GB) SAS card: SAS3008 IMR; SAS3008 IT	Hard disk controller can flexibly configure SAS card, support RAID0/1/10 SAS RAID card, support RAID 0/1/5/6/50/60 support Cache ulc protection, provide RAID state migration, RAID configuration memory and other functions

Server Model		Huawei RH5885H v5 Rack Server (4U)--- 2 floors motherboard design	Lenovo ThinkSystem SR850 Server (2U) --- 2 floors motherboard design	Lenovo ThinkSystem SR860 Server(4U)	Lenovo ThinkSystem SR950 Server(4U)-4U chassis can be upgraded to 8-way server	Inspur NF8260 M5 Server(2U)	Inspur NF8460 M5 Server(4U)	Inspur NF8480 M5 Server (4U,single floor motherboard design)	Sugon I840-G30 Server
			HBA ThinkSystem 430-16i SAS/SATA 12Gb HBA NVMe adapter ThinkSystem 1610-4P NVMe Switch Adapter	ThinkSystem 430-16i SAS/SATA 12Gb HBA NVMe adapter ThinkSystem 1610-4P NVMe Switch Adapter	HBA ThinkSystem 430-16i SAS/SATA 12Gb HBA				
	Cache Size/Maximum	NA	None、1GB、2GB、4GB	None、1GB、2GB、4GB	None、1GB、2GB、4GB	NA	NA	Max. 4GB	NA
	Cache Protection Type	N/A	None(530-8i、730-8i)、Flash backup (930-8i、930-16i)	None(530-8i、730-8i)、Flash backup (930-8i、930-16i)	None(530-8i、730-8i)、Flash backup (930-8i、930-16i)	N/A	N/A	N/A	N/A
	Battery or Capacitance	Capacitance	Capacitance	Capacitance	Capacitance	Battery or Capacitance	N/A	Capacitance	Capacitance
	Main technical	N/A	Controller Chips: SAS3408(530-8i)、SAS3108(730-8i)、	Controller Chips: SAS3408(530-8i)、SAS3108(730-8i)、	Controller Chips: SAS3408(530-8i)、SAS3108(730-8i)、		Configurable storage controller with	LSI SAS 3108; PM8060;	N/A

Server Model		Huawei RH5885H v5 Rack Server (4U)--- 2 floors motherboard design	Lenovo ThinkSystem SR850 Server (2U) --- 2 floors motherboard design	Lenovo ThinkSystem SR860 Server(4U)	Lenovo ThinkSystem SR950 Server(4U)-4U chassis can be upgraded to 8-way server	Inspur NF8260 M5 Server(2U)	Inspur NF8460 M5 Server(4U)	Inspur NF8480 M5 Server (4U,single floor motherboard design)	Sugon I840-G30 Server
	characteristics		SAS3508(930-8i)、SAS3516(930-16i)、SAS3408(430-8i)、SAS3416(430-16i) RAID Support: 530-8i(0\1\10\5\50)、730-8i(0\1\10\5\50)、930-8i(0\1\10\5\50\6\60)、930-16i(0\1\10\5\50\6\60)	SAS3508(930-8i)、SAS3516(930-16i)、SAS3408(430-8i)、SAS3416(430-16i) RAID Support: 530-8i(0\1\10\5\50)、730-8i(0\1\10\5\50)、930-8i(0\1\10\5\50\6\60)、930-16i(0\1\10\5\50\6\60)	SAS3508(930-8i)、SAS3516(930-16i)、SAS3408(430-8i)、SAS3416(430-16i) RAID Support: 530-8i(0\1\10\5\50)、730-8i(0\1\10\5\50)、930-8i(0\1\10\5\50\6\60)、930-16i(0\1\10\5\50\6\60)		cache to support power-off protection module		
SD Card	Number of SD cards	2	N/A	N/A	N/A	N/A	N/A	N/A	2
	SD card capacity	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	SD cards can form RAID levels	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Server Model		Huawei RH5885H v5 Rack Server (4U)--- 2 floors motherboard design	Lenovo ThinkSystem SR850 Server (2U) --- 2 floors motherboard design	Lenovo ThinkSystem SR860 Server(4U)	Lenovo ThinkSystem SR950 Server(4U)-4U chassis can be upgraded to 8-way server	Inspur NF8260 M5 Server(2U)	Inspur NF8460 M5 Server(4U)	Inspur NF8480 M5 Server (4U,single floor motherboard design)	Sugon I840-G30 Server
M.2	M.2 quantity	2	1 or 2	1 or 2	1 or 2	2	2	2	2
	M. 2 single chip capacity	N/A	ThinkSystem M.2 CV1 32GB ThinkSystem M.2 CV3 128GB	ThinkSystem M.2 CV1 32GB ThinkSystem M.2 CV3 128GB	ThinkSystem M.2 CV1 32GB ThinkSystem M.2 CV3 128GB	N/A	NA	Up to 960GB	NA
	M.2 RAID levels	NA	RAID 1	RAID 1	Raid 1	NA	Raid1	Raid1	NA
Network card	Sub-Card (NDC Card Type)	Onboard network card: 2 10GE interfaces and 2 GE interfaces	LOM cards ThinkSystem 1Gb 2-port RJ45 LOM ThinkSystem 1Gb 4-port RJ45 LOM ThinkSystem 10Gb 2-port Base-T LOM ThinkSystem 10Gb 2-port SFP+ LOM ThinkSystem 10Gb 4-port Base-T LOM ThinkSystem 10Gb 4-port SFP+ LOM	LOM cards ThinkSystem 1Gb 2-port RJ45 LOM ThinkSystem 1Gb 4-port RJ45 LOM ThinkSystem 10Gb 2-port Base-T LOM ThinkSystem 10Gb 2-port SFP+ LOM ThinkSystem 10Gb 4-port Base-T LOM ThinkSystem 10Gb 4-port SFP+ LOM	LOM cards ThinkSystem 1Gb 2-port RJ45 LOM ThinkSystem 1Gb 4-port RJ45 LOM ThinkSystem 10Gb 2-port Base-T LOM ThinkSystem 10Gb 2-port SFP+ LOM ThinkSystem 10Gb 4-port Base-T LOM ThinkSystem 10Gb 4-port SFP+ LOM	Support OCP NIC card or PHY card	Support for wave FLOM technology, flexible extension of multiple network configurations	2 x 10Gb; 4 x 10Gb; 2 x 25Gb; 1 x 25Gb; 4 X 1Gb;	Integrated gigabit dual port RJ45 and 10 gigabit dual port fiber network interface

Server Model		Huawei RH5885H v5 Rack Server (4U)--- 2 floors motherboard design	Lenovo ThinkSystem SR850 Server (2U) --- 2 floors motherboard design	Lenovo ThinkSystem SR860 Server(4U)	Lenovo ThinkSystem SR950 Server(4U)-4U chassis can be upgraded to 8-way server	Inspur NF8260 M5 Server(2U)	Inspur NF8460 M5 Server(4U)	Inspur NF8480 M5 Server (4U,single floor motherboard design)	Sugon I840-G30 Server
			ML2 adapters Intel I350-T4 ML2 1Gb 4-Port RJ45 Ethernet Adapter Intel X710-DA2 ML2 2x10GbE SFP+ Adapter Broadcom NX-E ML2 10Gb 2-Port Base-T Ethernet Adapter Emulex VFA5.2 ML2 Dual Port 10GbE SFP+ Adapter Emulex VFA5.2 ML2 2x10 GbE SFP+ Adapter and FCoE/iSCSI SW Mellanox ConnectX-4 Lx ML2 1x25GbE SFP28 Adapter Mellanox	ML2 adapters Intel I350-T4 ML2 1Gb 4-Port RJ45 Ethernet Adapter Intel X710-DA2 ML2 2x10GbE SFP+ Adapter Broadcom NX-E ML2 10Gb 2-Port Base-T Ethernet Adapter Emulex VFA5.2 ML2 Dual Port 10GbE SFP+ Adapter Emulex VFA5.2 ML2 2x10 GbE SFP+ Adapter and FCoE/iSCSI SW Mellanox ConnectX-4 Lx ML2 1x25GbE SFP28 Adapter Mellanox ConnectX-4 Lx ML2	ML2 adapters Intel I350-T4 ML2 1Gb 4-Port RJ45 Ethernet Adapter Intel X710-DA2 ML2 2x10GbE SFP+ Adapter Broadcom NX-E ML2 10Gb 2-Port Base-T Ethernet Adapter Emulex VFA5.2 ML2 Dual Port 10GbE SFP+ Adapter Emulex VFA5.2 ML2 2x10 GbE SFP+ Adapter and FCoE/iSCSI SW Mellanox ConnectX-4 Lx ML2 1x25GbE SFP28 Adapter Mellanox				

Server Model		Huawei RH5885H v5 Rack Server (4U)--- 2 floors motherboard design	Lenovo ThinkSystem SR850 Server (2U) --- 2 floors motherboard design	Lenovo ThinkSystem SR860 Server(4U)	Lenovo ThinkSystem SR950 Server(4U)-4U chassis can be upgraded to 8-way server	Inspur NF8260 M5 Server(2U)	Inspur NF8460 M5 Server(4U)	Inspur NF8480 M5 Server (4U,single floor motherboard design)	Sugon I840-G30 Server
			ConnectX-4 Lx ML2 25Gb 2-Port SFP28 Ethernet Adapter Mellanox ConnectX-3 Pro ML2 FDR 2-Port QSFP VPI Adapter	25Gb 2-Port SFP28 Ethernet Adapter Mellanox ConnectX-3 Pro ML2 FDR 2-Port QSFP VPI Adapter	ConnectX-4 Lx ML2 25Gb 2-Port SFP28 Ethernet Adapter Mellanox ConnectX-3 Pro ML2 FDR 2-Port QSFP VPI Adapter				
	PCIe (occupies a standard slot)	Up to 15 PCIe expansion slots: 15 PCIe 3.0 standard CARDS (3x4, 8x8, 4x16) • supports 2 dual-width full-length GPU CARDS (x16)	Support up to 11 PCIe 3.0 slots Slot 1: PCIe 3.0 x16 (low profile) (CPU 2) Slot 2: PCIe 3.0 x8 (low profile) (CPU 2) Slot 3-5: Riser card slots (see below) (CPU 2) Slot 6: PCIe 2.0 x2 dedicated to M.2 adapter and drives Slot 7: Dedicated to Ethernet LOM phy adapter (CPU 1)	Support up to 13 PCIe 3.0 slots Slot 1-2: Riser card slots (choice of x8/x8 or x16) (FHFL) Slot 3: Riser slot to enable slots 1 & 2 in the PCIe Expansion Tray (PCIe 3.0 x16)* Slot 4: PCIe 3.0 x8 (low profile) Slot 5-7: Riser card slots (choices are x8/x8/x8, x8/x8/x8ML2 and	Support up to 17 PCIe 3.0 slots Slots 1-4 are via Riser Slot 1, one riser card of: Riser with 4x PCIe 3.0 x16 slots, all full-height half-length, all 75W Riser with 2x PCIe 3.0 x16 slots, all full-height half-length, both 75W Riser with 4x PCIe		N/A	16 x PCIe +1 x OCP	Up to 14 PCIe expansion slots, Contains: 5 PCIe 3.0x16 slots 9 PCIe 3.0x8 slots

Server Model		Huawei RH5885H v5 Rack Server (4U)--- 2 floors motherboard design	Lenovo ThinkSystem SR850 Server (2U) --- 2 floors motherboard design	Lenovo ThinkSystem SR860 Server(4U)	Lenovo ThinkSystem SR950 Server(4U)-4U chassis can be upgraded to 8-way server	Inspur NF8260 M5 Server(2U)	Inspur NF8460 M5 Server(4U)	Inspur NF8480 M5 Server (4U,single floor motherboard design)	Sugon I840-G30 Server
			Slot 8: PCIe 3.0 x8 (low profile) (CPU 1) Slot 9: PCIe 3.0 x8 (low profile) (CPU 1) Slot 10: PCIe 3.0 x8 (low profile) (CPU 1) Slot 11: PCIe 3.0 x16 (low profile) (CPU 1)	x8/x16ML2) Slot 8: PCIe 2.0 x2 / 6 Gb SATA slot reserved to M.2 adapter and drives Slot 9: Reserved for Ethernet LOM phy adapter Slot 10: PCIe 3.0 x8 (low profile) Slot 11: PCIe 3.0 x8 (low profile) Slot 12: PCIe 3.0 x8 (low profile) Slot 13: Riser slot to enable slots 14 & 15 in the PCIe Expansion Tray (PCIe 3.0 x16)* Slot 14-15: Riser card slots (choice of x8/x8 or x16) (FHFL) * Slots 3 and 13 are	3.0 x8 slots, full-height half-length, all 75W Slot 5: PCIe 3.0 x16, low profile, 75W Slot 6: PCIe 3.0 x16, low profile, 75W Slot 7: PCIe 3.0 x8, low profile, 75W Slot 8: PCIe 3.0 x16 ML2, low profile (supports NC-SI) Slot 9: PCIe 3.0 x8 LOM adapter slot, low profile (supports NC-SI) Slots 10-15 are via Riser Slot 2, one riser card of: Riser 5x16+ML2 Five PCIe 3.0 x16 slots, all full-height half-length, all 75W				

Server Model		Huawei RH5885H v5 Rack Server (4U)--- 2 floors motherboard design	Lenovo ThinkSystem SR850 Server (2U) --- 2 floors motherboard design	Lenovo ThinkSystem SR860 Server(4U)	Lenovo ThinkSystem SR950 Server(4U)-4U chassis can be upgraded to 8-way server	Inspur NF8260 M5 Server(2U)	Inspur NF8460 M5 Server(4U)	Inspur NF8480 M5 Server (4U,single floor motherboard design)	Sugon I840-G30 Server
				used as riser slots to enable slots 1, 2, 14 and 15 in the PCIe Expansion Tray.It is also supported to have the PCIe Expansion Tray installed with only one riser installed. Forexample, it is supported to have a riser card in slot 3 but not in slot 13; slot 13 can then be used as a PCIe x16 slot.	One PCIe 3.0 x16 ML2 slot, full-height half-length, 30W (no NC-SI support) Riser 2x16: Two PCIe 3.0 x16 slots, all full-height half-length, both 75W Riser 4x8: Four PCIe 3.0 x8 slots, full-height half-length, all 75W Slot 16-17 on a riser: PCIe 3.0 x8 low profile, 75W PCIe 3.0 x8 low profile, 75W				
GPU	GPU Max Support	Max. 2 full height full length	The SR850 currently does not support any graphics	Up to 2 GPU If 1 GPU is installed, an 1100W power	Full-length adapter cards such as graphics processing	4	N/A	Max. 2 full height full length	N/A

Server Model		Huawei RH5885H v5 Rack Server (4U)--- 2 floors motherboard design	Lenovo ThinkSystem SR850 Server (2U) --- 2 floors motherboard design	Lenovo ThinkSystem SR860 Server(4U)	Lenovo ThinkSystem SR950 Server(4U)-4U chassis can be upgraded to 8-way server	Inspur NF8260 M5 Server(2U)	Inspur NF8460 M5 Server(4U)	Inspur NF8480 M5 Server (4U,single floor motherboard design)	Sugon I840-G30 Server
	ed Blocks		processing units (GPUs).	supply or larger must be installed If 2 GPUs are installed, a 1600W power supply or larger must be installed	units (GPUs) do not physically fit in the server and are not supported.				
	GPU model	N/A		NVIDIA Tesla M60 GPU, PCIe (Passive)		N/A	N/A	P100	N/A
FPGA	FPGA Maximum Supported Blocks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	FPGA model	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Hard drive backplane	Type (including the maximum	- Configurable 8 front-facing 2.5 in SAS/SATA hard disks - Configurable 24	Supports up to 16 2.5 inch SAS/SATA hot-swappable hard disk There are 2 kinds of	Up to 16 2.5 inch SAS/SATA hot plug hard drives are supported There are 2 hard disk	Up to 24 2.5-inch SAS/SATA hot swap hard disks (distributed on 6 hard disk	The front supports 24 2.5-inch hard drives and up to 6 U.2 NVMe hard	Supports 24 front hot plug mechanical or SSD(U.2 NVMe SSD), supports	Supports up to 24 3.5"/2.5" front hot-swap mechanical or solid state drives	Supports up to 24 2.5" front hot-plug mechanical or solid state

Server Model		Huawei RH5885H v5 Rack Server (4U)--- 2 floors motherboard design	Lenovo ThinkSystem SR850 Server (2U) --- 2 floors motherboard design	Lenovo ThinkSystem SR860 Server(4U)	Lenovo ThinkSystem SR950 Server(4U)-4U chassis can be upgraded to 8-way server	Inspur NF8260 M5 Server(2U)	Inspur NF8460 M5 Server(4U)	Inspur NF8480 M5 Server (4U,single floor motherboard design)	Sugon I840-G30 Server
	number of supported hard disks)	front-facing 2.5 in SAS/SATA hard disks • configurable 25 front-facing 2.5 in SAS/SATA hard disks • Configurable 16 front-facing 2.5 in SAS/SATA hard disk and eight front-facing 2.5 -inch NVMe SSD hard disks	hard disk back to choose from: 8 SAS/SATA hard drive backplane (8 SAS / 2.5 inch SATA hard disk) 8 SAS/SATA + AnyBay hard drive back a. 8 SAS / 2.5 inch SATA hard disk b. 4 2.5 -inch SAS / 2.5 inch SATA hard disk + 4 U. 2 (NVMe) hard drive Note: anybay is inside the hard drive bracket can install SATA, SAS, NVMe hard disk	backboards to choose from: 8 SAS/SATA hard disk backboards (8 2.5-inch SAS/SATA hard disks) 8 SAS/SATA+AnyBay hard drive backboards a. 8 2.5-inch SAS/SATA hard drives b. 4 2.5-inch SAS/SATA hard drives + 4 2.5-inch u-2 (NVMe) hard drives	backboards) There are 2 hard disk backboards to choose from: a.SAS /SATA hard disk back panel (supports 4 SAS/SATA hard disks) b. AnyBay hard disk back board (supports 2 SAS/SATA/NVMe hard disks +2 SAS/SATA hard disks)	drives	24 3.5-inch hard disks	and up to 12 U.2 NVMe SSD drives	drives and up to 12 U.2 NVMe SSD drives

Server Model		Huawei RH5885H v5 Rack Server (4U)--- 2 floors motherboard design	Lenovo ThinkSystem SR850 Server (2U) --- 2 floors motherboard design	Lenovo ThinkSystem SR860 Server(4U)	Lenovo ThinkSystem SR950 Server(4U)-4U chassis can be upgraded to 8-way server	Inspur NF8260 M5 Server(2U)	Inspur NF8460 M5 Server(4U)	Inspur NF8480 M5 Server (4U,single floor motherboard design)	Sugon I840-G30 Server
	Whether to support hard disk hot swap	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Hard disk configuration	Model and quantity	SAS/SATA/NVMe; Max. 25 x 2.5"; Max. 12 x NVMe	2.5-inch 12Gbps SAS hard drive: 300GB 15K、600GB 15K、900GB 15K 300GB 10K、600GB 10K、900GB 10K、1.2TB 10K、1.8TB 10K 2.5-inch 12Gbps NL-SAS hard drive: 1TB 7.2K、2TB 7.2K 2.5-inch 6Gbps SATA hard drive: 1TB 7.2K、2TB 7.2K 2.5-inch SSD hard drive:	2.5-inch 12Gbps SAS hard drive: 300GB 15K、600GB 15K、900GB 15K 300GB 10K、600GB 10K、900GB 10K、1.2TB 10K、1.8TB 10K 2.5-inch 12Gbps NL-SAS hard drive: 1TB 7.2K、2TB 7.2K 2.5-inch 6Gbps SATA hard drive: 1TB 7.2K、2TB 7.2K 2.5-inch SSD hard drive: SAS interface:	2.5-inch 12Gbps SAS hard drive: 300GB 15K、600GB 15K、900GB 15K 300GB 10K、600GB 10K、900GB 10K、1.2TB 10K、1.8TB 10K 2.5-inch 12Gbps NL-SAS hard drive: 1TB 7.2K、2TB 7.2K 2.5-inch 6Gbps SATA hard drive: 1TB 7.2K、2TB 7.2K 2.5-inch SSD hard drive:	24 front 2.5-inch SAS/SATA hard drives, which can support up to 6 NVMe SSD		3.5" SATA, NL-SAS; 2.5" SATA, SAS, NVMe; Max. 24 x 3.5" 24 x 2.5" 12 x NVMe	2.5" SATA, SAS, NVMe; Max. 24 x 2.5" 12 x NVMe

Server Model		Huawei RH5885H v5 Rack Server (4U)--- 2 floors motherboard design	Lenovo ThinkSystem SR850 Server (2U) --- 2 floors motherboard design	Lenovo ThinkSystem SR860 Server(4U)	Lenovo ThinkSystem SR950 Server(4U)-4U chassis can be upgraded to 8-way server	Inspur NF8260 M5 Server(2U)	Inspur NF8460 M5 Server(4U)	Inspur NF8480 M5 Server (4U,single floor motherboard design)	Sugon I840-G30 Server
			SAS interface: HUSMM32 400GB、 HUSMM32 800GB、 PM1635a 400GB、 PM1635a 800GB、 PM1633a 3.84TB、 PM1633a 7.84TB SATA interface: PM863a 240GB、 PM863a 480GB、 Intel S3520 240GB、 Intel S3520 480GB、 NVMe PCIe interface: U.2 PX04PMB 800GB、 U.2 PX04PMB 1.6TB、 U.2 PX04PMB 960GB、 U.2 PX04PMB 1.92TB、 U.2 PM963 1.92TB、 U.2 PM963 3.84TB	HUSMM32 400GB、 HUSMM32 800GB、 PM1635a 400GB、 PM1635a 800GB、 PM1633a 3.84TB、 PM1633a 7.84TB SATA interface: PM863a 240GB、 PM863a 480GB、Intel S3520 240GB、 Intel S3520 480GB、 NVMe PCIe interface: U.2 PX04PMB 800GB、 U.2 PX04PMB 1.6TB、 U.2 PX04PMB 960GB、 U.2 PX04PMB 1.92TB、 U.2 PM963 1.92TB、 U.2 PM963 3.84TB	SAS interface: HUSMM32 400GB、 HUSMM32 800GB、 PM1635a 400GB、 PM1635a 800GB、 PM1633a 3.84TB、 PM1633a 7.84TB SATA interface: PM863a 240GB、 PM863a 480GB、 Intel S3520 240GB、 Intel S3520 480GB、 NVMe PCIe interface: U.2 PX04PMB 800GB、 U.2 PX04PMB 1.6TB、 U.2 PX04PMB 960GB、 U.2 PX04PMB 1.92TB、 U.2 PM963 1.92TB、 U.2 PM963 3.84TB				

Server Model		Huawei RH5885H v5 Rack Server (4U)--- 2 floors motherboard design	Lenovo ThinkSystem SR850 Server (2U) --- 2 floors motherboard design	Lenovo ThinkSystem SR860 Server(4U)	Lenovo ThinkSystem SR950 Server(4U)-4U chassis can be upgraded to 8-way server	Inspur NF8260 M5 Server(2U)	Inspur NF8460 M5 Server(4U)	Inspur NF8480 M5 Server (4U,single floor motherboard design)	Sugon I840-G30 Server
Chassis	Dimensions (cm)	4U height: 175 mm width: 447 mm depth: 790 mm	2U height: 86 mm (3.4 in) width: 445 mm (17.5 in) depth: 776 mm (30.5 in)	4U height: 175 mm (6.9 in) width: 447 mm (17.6 in) depth: 766 mm (30.1 in)	4U height: 173 mm (6.8 in) width: 447 mm (17.6 in) depth: 800 mm (31.5 in)	4U height: 173 mm (6.8 in) width: 447 mm (17.6 in) depth: 800 mm (31.5 in)	4U	4U height: 175.5 mm width: 448 mm depth: 812 mm	4U height: 175.5 mm width: 447 mm depth: 793 mm
	Ventilation method	Wind after wind	Wind after wind	Wind after wind	Wind after wind	Air-cooled	Wind after wind	Wind after wind	Wind after wind
Temperature	Equipment operating temperature range (°C)	Max. 5° -45°	ASHRAE Class A4: 5 °C- 45 °C (41 °F - 113 °F); for altitudes above 900 m (2,953 ft), decrease the maximum ambient temperature by 1 °C for every 125-m (410-ft) increase in altitude ASHRAE Class A3:	ASHRAE Class A4: 5 °C- 45 °C (41 °F - 113 °F); for altitudes above 900 m (2,953 ft), decrease the maximum ambient temperature by 1 °C for every 125-m (410-ft) increase in altitude ASHRAE Class A3:	ASHRAE Class A4: 5 °C- 45 °C (41 °F - 113 °F); for altitudes above 900 m (2,953 ft), decrease the maximum ambient temperature by 1 °C for every 125-m (410-ft) increase in altitude ASHRAE Class A3:	0 - 35° C	N/A	Operating temperature: 5°C ~ 35°C	When it works: 5°C ~ 40°C

Server Model		Huawei RH5885H v5 Rack Server (4U)--- 2 floors motherboard design	Lenovo ThinkSystem SR850 Server (2U) --- 2 floors motherboard design	Lenovo ThinkSystem SR860 Server(4U)	Lenovo ThinkSystem SR950 Server(4U)-4U chassis can be upgraded to 8-way server	Inspur NF8260 M5 Server(2U)	Inspur NF8460 M5 Server(4U)	Inspur NF8480 M5 Server (4U,single floor motherboard design)	Sugon I840-G30 Server
			5 °C - 40 °C (41 °F - 104 °F); for altitudes above 900 m (2,953 ft), decrease the maximum ambient temperature by 1 °C for every 175-m (574-ft) increase in altitude ASHRAE Class A2: 10 °C - 35 °C (50 °F - 95 °F); for altitudes above 900 m (2,953 ft), decrease the maximum ambient temperature by 1 °C for every 300-m (984-ft) increase in altitude	5 °C - 40 °C (41 °F - 104 °F); for altitudes above 900 m (2,953 ft), decrease the maximum ambient temperature by 1 °C for every 175-m (574-ft) increase in altitude ASHRAE Class A2: 10 °C - 35 °C (50 °F - 95 °F); for altitudes above 900 m (2,953 ft), decrease the maximum ambient temperature by 1 °C for every 300-m (984-ft) increase in altitude	5 °C - 40 °C (41 °F - 104 °F); for altitudes above 900 m (2,953 ft), decrease the maximum ambient temperature by 1 °C for every 175-m (574-ft) increase in altitude ASHRAE Class A2: 10 °C - 35 °C (50 °F - 95 °F); for altitudes above 900 m (2,953 ft), decrease the maximum ambient temperature by 1 °C for every 300-m (984-ft) increase in altitude				
	Equipm	N/A	ASHRAE Class A4:	ASHRAE Class A4: 8%	ASHRAE Class A4:	5%-85%RH	N/A	Operating	N/A

Server Model		Huawei RH5885H v5 Rack Server (4U)--- 2 floors motherboard design	Lenovo ThinkSystem SR850 Server (2U) --- 2 floors motherboard design	Lenovo ThinkSystem SR860 Server(4U)	Lenovo ThinkSystem SR950 Server(4U)-4U chassis can be upgraded to 8-way server	Inspur NF8260 M5 Server(2U)	Inspur NF8460 M5 Server(4U)	Inspur NF8480 M5 Server (4U,single floor motherboard design)	Sugon I840-G30 Server
	ent working humidity range		8% - 90% (non-condensing); maximum dew point: 24 °C (75 °F) ASHRAE Class A3: 8% - 85% (non-condensing); maximum dew point: 24 °C (75 °F) ASHRAE Class A2: 8% - 80% (non-condensing); maximum dew point: 21 °C (70 °F)	- 90% (non-condensing); maximum dew point: 24 °C (75 °F) ASHRAE Class A3: 8% - 85% (non-condensing); maximum dew point: 24 °C (75 °F) ASHRAE Class A2: 8% - 80% (non-condensing); maximum dew point: 21 °C (70 °F)	8% - 90% (non-condensing); maximum dew point: 24 °C (75 °F) ASHRAE Class A3: 8% - 85% (non-condensing); maximum dew point: 24 °C (75 °F) ASHRAE Class A2: 8% - 80% (non-condensing); maximum dew point: 21 °C (70 °F)			humidity: 10% to 90% RH	
Hot-swappable power supplies	Nominal power of single supply (W)	- AC to 127V AC or 200V AC to 240V AC or 190V DC to 300V DC) - 900W AC power module (power	SR850 2S Power Paddle (power interposer) 750W Platinum (230V/115V) Power Supply	SR850/SR860 2S Power Paddle (power interposer) 750W (230V/115V) Platinum Hot-Swap Power Supply	1100W Platinum (230V/115V) Power Supply 1600W Platinum (230V) Power Supply	CRPS power module 550/800/1300/1600w, support full grid AC, 240/336v high voltage DC	Platinum level redundant hot plug power supply	550w (input voltage: 100 V to 240 V AC or 192 V to 300 V DC) 800W (input voltage: 100 V to	Optional 550W/800W/1200W high efficiency platinum power supply can be

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		supply: 100V AC to 240V AC or 190V DC to 290V DC) - 1200W DC power module (power supply: -38.4Vdc ~ -72Vdc)(Note 1)	1100W Platinum (230V/115V) Power Supply 1600W Platinum (230V) Power Supply	1100W (230V/115V) Platinum Hot-Swap Power Supply 1600W (230V) Platinum Hot-Swap Power Supply 2000W (230V) Platinum Hot-Swap Power Supply		and -48v low voltage DC input		240 V AC or 192 V to 300 V DC) 1300W (input voltage: 100 V to 240 V AC or 192 V to 300 V DC) 1600W (input voltage: 100 V to 240 V AC or 192 V to 300 V DC)	configured with N+N/N+M redundancy, compatible with 220V AC and 48V/240V/336V DC
	Quantity	4	2	2	4	2		4	4
	Dual power mode	Redundancy	1+1 redundancy	1+1 redundancy	Power supplies are N+N redundant, meaning that the server can continue operation even with two failed power supplies, or if the utility service that feeds two power supplies	1+1 redundancy	Redundancy	Redundancy	Redundancy

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					goes offline.				
	Input method	4 redundant hot-swappable power supplies can be configured, supporting 2 + 2 redundancy. The optional power modules are as follows: • 1500W AC power module (power supply: 100V AC ~ 127V AC or 200V AC ~ 240V AC or 190V DC ~ 300V DC) • 900W AC power module (power supply: 100V AC to 240V AC or 190V DC to 290V DC)	110V AC(750W、1100W) 220V AC(750W、1100W、1600W) 240V DC(750W、1100W、1600W)	110V AC(750W、1100W) 220V AC(750W、1100W、1600W、2000W) 240V DC(750W、1100W、1600W、2000W)	110V AC(1100W) 220V AC(1100W、1600W) 240V DC(not supported)	AC, 240 / 336v high voltage DC and -48v low voltage DC input	Support HVDC	AC 240V HVDC/AC	AC 240V HVDC/AC

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		1200W DC power module (power supply: -38.4Vdc to -72Vdc) (Note 1)							
PCI-E (I/O)	Quantity	Up to 15 PCIe expansion slots: 15 PCIe 3.0 standard CARDS (3x4, 8x8, 4x16) supports 2 dual-width full-length GPU CARDS (x16)	Support up to 11 PCIe 3.0 slots Slot 1: PCIe 3.0 x16 (low profile) (CPU 2) Slot 2: PCIe 3.0 x8 (low profile) (CPU 2) Slot 3-5: Riser card slots (see below) (CPU 2) Slot 6: PCIe 2.0 x2 dedicated to M.2 adapter and drives Slot 7: Dedicated to Ethernet LOM phy adapter (CPU 1) Slot 8: PCIe 3.0 x8 (low profile) (CPU 1)	Support up to 13 PCIe 3.0 slots Slot 1-2: Riser card slots (choice of x8/x8 or x16) (FHFL) Slot 3: Riser slot to eN/Able slots 1 & 2 in the PCIe Expansion Tray (PCIe 3.0 x16)* Slot 4: PCIe 3.0 x8 (low profile) Slot 5-7: Riser card slots (choices are x8/x8/x8, x8/x8/x8ML2 and x8/x16ML2)	Support up to 17 PCIe 3.0 slots Slots 1-4 are via Riser Slot 1, one riser card of: Riser with 4x PCIe 3.0 x16 slots, all full-height Riser with 2x PCIe 3.0 x16 slots, all full-height Riser with 4x PCIe 3.0 x8 slots, full-height	Supports up to 8 PCIe 3.0 slots and 1 OCP slot	Up to 14 standard PCIe slots can be supported	16 x PCIe +1 x OCP	Up to 14 PCIe expansion slots, Contains: 5 PCIe 3.0x16 slots 9 PCIe 3.0x8 slots

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			Slot 9: PCIe 3.0 x8 (low profile) (CPU 1) Slot 10: PCIe 3.0 x8 (low profile) (CPU 1) Slot 11: PCIe 3.0 x16 (low profile) (CPU 1)	Slot 8: PCIe 2.0 x2 / 6 Gb SATA slot reserved to M.2 adapter and drives Slot 9: Reserved for Ethernet LOM phy adapter Slot 10: PCIe 3.0 x8 (low profile) Slot 11: PCIe 3.0 x8 (low profile) Slot 12: PCIe 3.0 x8 (low profile) Slot 13: Riser slot to eN/Able slots 14 & 15 in the PCIe Expansion Tray (PCIe 3.0 x16)* Slot 14-15: Riser card slots (choice of x8/x8 or x16) (FHFL)	half-length, all 75W Slot 5: PCIe 3.0 x16, low profile, 75W Slot 6: PCIe 3.0 x16, low profile, 75W Slot 7: PCIe 3.0 x8, low profile, 75W Slot 8: PCIe 3.0 x16 ML2, low profile (supports NC-SI) Slot 9: PCIe 3.0 x8 LOM adapter slot, low profile (supports NC-SI) Slots 10-15 are via Riser Slot 2, one riser card of: Riser 5x16+ML2 Five PCIe 3.0 x16 slots, all full-height half-length, all 75W One PCIe 3.0 x16 ML2 slot, full-height				

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					half-length, 30W (no NC-SI support) Riser 2x16: Two PCIe 3.0 x16 slots, all full-height half-length, both 75W Riser 4x8: Four PCIe 3.0 x8 slots, full-height half-length, all 75W Slot 16-17 on a riser: PCIe 3.0 x8 low profile, 75W PCIe 3.0 x8 low profile, 75W				
USB port	Quantity	N/A	4: 2 front、2 rear Front: Two USB 2.0 ports or one USB 2.0 and one USB 3.0 port;	4: 2 front、2 rear Front: Two USB 2.0 ports or one USB 2.0 and one USB 3.0 port;	4: 2 front(USB 2.0)、2 rear(USB 3.0)		N/A	2 x USB 3.0 (front); 3 x USB 3.0 (rear);	4 USB 3.0 ports, located at the rear of the case, Optional support for 2

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			Rear: Two USB 3.0 ports;	Rear: Two USB 3.0 ports;					USB ports
Out-of-band management	Yes or No	Yes	Yes	Yes	Yes	Yes	N/A	Yes	Yes
	The main function	UEFI iBMC Adopt independent interface, support SNMP, IPMI, provide GUI, virtual KVM, virtual media, SOL, intelligent power supply, remote control, hardware monitoring and other features. Support for NCSI for onboard network ports. Support for	XClarity Controller (XCC) Advanced Optionally upgrade to Enterprise by Features on Demand (FoD) Support Mobile management function (Xclarity Mobile App+ USB interface connection), Mobile App supports Android or iOS	XClarity Controller (XCC) Advanced Optionally upgrade to Enterprise by Features on Demand (FoD) Support Mobile management function (Xclarity Mobile App+ USB interface connection), Mobile App supports Android or iOS	XClarity Controller (XCC) Enterprise Support Mobile management function (Xclarity Mobile App+ USB interface connection), Mobile App supports Android or iOS	Support remote management control, such as IPMI 2.0, KVM over IP, SOL, SNMP, etc., can achieve hardware failure, memory failure, PCIe device failure, hard disk failure detection and warning	N/A	Embedded intelligent server management chip, support IP 2.0 and Redfish management mode.Complete remote system monitoring, remote KVM, virtual media and other management functions.Wave's Power management technology can help users to	N/A

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		huawei eSight management software, support for VMware vCenter, Microsoft SystemCenter, N/Agios and other third party management system integration						accurately monitor and control the Power consumption of the system in real time. Power telemetry is implemented independently. Combined with Node maN/Ager 3.0 technology, IT can effectively control the overall energy consumption and further improve the performance of energy efficiency of the overall IT architecture.Sup	

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								port the local USB interface and BMC management chip to obtain CPU registers and other low-level debugging letters, through the management network to achieve remote diagnosis of server fault.Embedded oscilloscope technology, real-time detection of server hardware key signal state, save state jump,	

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								can help engineers to solve the problem.	
Energy management	Yes or No	N/A	Yes: Xclarity Energy MaN/Ager	Yes: Xclarity Energy MaN/Ager	Yes: Xclarity Energy MaN/Ager	N/A	N/A	N/A	N/A
System cooling fan		N/A	6 hot plug fans, support N+1 redundancy	6 hot plug fans, support N+1 redundancy	12 hot plug fans, support N+1 redundancy	N/A	N/A	4 hot plug fans, support N+1 redundancy	4 fan modules
LCD display		LCD LCD panel (touchable) Fault diagnosis digital tub	Yes	Yes	Yes	N/A	N/A	Yes	N/A
Host front panel with keyhole and key			Support, optional Lockable front security bezel	Support, optional Lockable front security bezel	N/A	N/A	N/A	N/A	N/A
Other		Safety characteristics Add electric password Administrator	Lenovo AnyBay is a unique drive bay type that allows a choice of drive interface types in	Lenovo AnyBay is a unique drive bay type that allows a choice of drive interface types in	Lenovo AnyBay is a unique drive bay type that allows a choice of drive interface types in	N/A	IMD enhanced memory protection technology, BMC dual ROM	N/A	N/A

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	password TPM 2.0 Safe launch Safety panel	the same drive bay: SAS drives, SATA drives, or U.2 NVMe PCIe drives.	the same drive bay: SAS drives, SATA drives, or U.2 NVMe PCIe drives.	the same drive bay: SAS drives, SATA drives, or U.2 NVMe PCIe drives.		redundancy recoverable technology, DSFI depth system error insight, and a new generation of LIDS optical path diagnosis system		

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