Huawei RH2488H V5 VS Servers of HPE, H3C, Lenovo, Dell, Inspur and Sugon

Server Model	Huawei RH2488H V5	Huawei RH2488 v5	HPE Proliant DL360 G10	Lenovo ThinkSystem	HPE Proliant DL380 G10	Inspur NF8260 M5
	Rack Server	Rack Server (2U)	Server Two-floor	SR850 Server(2U)	Server (2U) Single	Server(2U)
	Two-floor	Single-floor	motherboard design	Two-floor motherboard	floor motherboard	Two-floor
	motherboard design	motherboard design		design	design	motherboard design
Advantages of Dell	1. Support two	1. Support two	1. Support two	1. Support two dual-width	1. NVDIMM support, low	1. Support two
Servers	dual-width GPU with	dual-width GPU with	dual-width GPU with	GPU with multiple	latency, high IO, data	FPGA;
	multiple models;	multiple models;	multiple models;	models;	protection;	2. Maximum support
	2. Support two FPGA;	2. Support two FPGA;	2. Support two FPGA;	2. Support two FPGA;	2. Support up to 2	24 x NVMe;
	3. Up to support 24 x	3. Support front	3. Maximum support 24 x	3. Maximum support 24 x	dual-width GPU or FPGA;	3. 8GB RAID card
	NVMe;	hot-swap NVMe SSD,	NVMe;	NVMe;	3. Supports up to 24 x	cache;
	4. 8GB RAID card	up to 24 x NVMe;	4. 8GB RAID card cache;	4. Support the application	NVMe SSD	4. Max support 24 x
	cache;	4. 8GB RAID card	5. Max support 24 x 2.5"	of 8180 CPU (205W) in	4. Efficient and	2.5" + 2 x 2.5"
	5. Max support 24 x	cache;	+ 2 x 2.5"	SAP and HAN/A;	automated server	
	2.5" + 2 x 2.5"	5. Max support 24 x		5. 8GB RAID card cache;6.	maN/Agement platform	
		2.5" + 2 x 2.5"		Max support 24 x 2.5" + 2	of dell 14 generation	
				x 2.5"	server platform with	
					server life cycle	
					maN/Agement;	
					5. Consistent security	
					features of dell	
					14-generation servers,	
					Root Trust;	
					6. 8GB RAID card cache;	
					7. Max support 24 x 2.5""	
					+ 2 x 2.5"	

Server M	odel	Huawei RH2488H V5	Huawei RH2488 v5	HPE Proliant DL360 G10	Lenovo ThinkSystem	HPE Proliant DL380 G10	Inspur NF8260 M5
		Rack Server	Rack Server (2U)	Server Two-floor	SR850 Server(2U)	Server (2U) Single	Server(2U)
		Two-floor	Single-floor	motherboard design	Two-floor motherboard	floor motherboard	Two-floor
		motherboard design	motherboard design		design	design	motherboard design
Disadvan	tages of Del	PCIe slot extensibility	PCIe slot extensibility	Supports up to 24 x	PCIe slot extensibility		It is claimed to
Servers		(Dell EMC focuses on	(Dell EMC focuses on	NVDIMM			support 4 x GPU, but
		performance on 2U,	performance on 2U,				it is not specified
		support for new	support for new				whether it is double
		workload)	workload)				width or single
							width.
CPU	Model	Intel® Xeon® Scalable	Intel® Xeon® Scalable	Intel® Xeon® Scalable	Intel® Xeon® Scalable	Intel® Xeon® Scalable	Intel® Xeon®
		processors	processors	processors	processors	processors	Scalable processors
		8100/6100/5100	8100/6100/5100	8100/6100/5100	8100/6100/5100	8100/6100/5100	8100/6100/5100
	CPU model	8180 28 Core 2.5GHz	8180 28 Core 2.5GHz	Platinum 8180M	Intel Xeon Platinum 8176	8180M	8180 28 Core 2.5GHz
					28C 165W 2.1GHz		
Chipset		Intel C622	Intel C622	Intel C621	Intel C624	Intel C621	Intel C620
RAM	Model	48 DIMM	32 DIMM	DDR4 RDIMM,LRDIMM,	48 DDR4 DIMM slots, up	DDR4 2667MHze	Supports 48 DDR4
		64GB/2666MHz	64GB/2666MHz	NVDIMM	to 2666MT/s12 DDR4	RDIMM/LRDIMM/NVDIM	2666MHz
					DIMM slots per CPU	M	
	Total	Up to 48 DDR4	Up to 32 DDR4	6ТВ	RDIMMs supports up to	6ТВ	RDIMM/LRDIMM, up
	Capacity	memory slots (12	memory slots (8 DDR4		1.5TB (4 CPU).		to 6TB
		DDR4 memory slots	memory slots per		LRDIMMs supports up to		
		per processor) with	processor) with		3TB (4 CPU).		
		support for RDIMM	support for RDIMM		3DS RDIMMs supports up		
		and LRDIMM.	and LRDIMM.		to 6TB(4 CPU).		
		Memory speeds up to	Memory speeds up to				
		2666MT/s.	2666MT/s.				
		RDIMM: 48 32 GB	RDIMM: 32 32 GB				

Server Mod	del	Huawei RH2488H V5	Huawei RH2488 v5	HPE Proliant DL360 G10	Lenovo ThinkSystem	HPE Proliant DL380 G10	Inspur NF8260 M5
		Rack Server	Rack Server (2U)	Server Two-floor	SR850 Server(2U)	Server (2U) Single	Server(2U)
		Two-floor	Single-floor	motherboard design	Two-floor motherboard	floor motherboard	Two-floor
		motherboard design	motherboard design		design	design	motherboard design
		RDIMM, max memory	RDIMM with a max				
		is 1.5TB.	memory of 1TB.				
		LRDIMM: 48 64 GB	RDIMM: 32 64 GB				
		LRDIMM with a max	RDIMM with a max				
		memory of 3TB.	memory of 2TB.				
			LRDIMM: 32 64 GB				
			LRDIMM with a max				
			memory of 2TB.				
			LRDIMM: 32 128gb				
			LRDIMM with a max				
			memory of 4TB.				
Storage	Model	Broadcom MegaRAID	Broadcom MegaRAID	S100i,E208i/e,P408i/e,P8	12Gbps RAID processors:	S140/H330/H730P/H740	Support 6/12G RAID
controller		9361-8i standard PCIe	9361-8i standard PCIe	16i	ThinkSystem RAID 530-8i	P/H840	card, support RAID0,
		RAID card, supports	RAID card, supports		PCIe 12Gb Adapter		1, 10, 1E, 5, 50, 6,
		RAID0/1/5/6/10/50/6	RAID0/1/5/6/10/50/6		ThinkSystem RAID 730-8i		60, etc., support
		0, supports 1GB cache,	0, supports 1GB cache,		1GB Cache PCIe 12Gb		Cache super
		supports ulc-capacitor	supports ulc-capacitor		Adapter		capacitor protection,
		protection.	protection.		ThinkSystem RAID 930-8i		provide RAID state
		Huawei 3508 standard	Huawei 3508 standard		2GB Flash PCIe 12Gb		migration, RAID
		PCIe RAID card,	PCIe RAID card,		Adapter		configuration
		support	support		ThinkSystem RAID 930-16		memory
		RAID0/1/5/6/10/50/6	RAID0/1/5/6/10/50/6		4GB Flash PCIe 12Gb		
		0, support 2/4GB	0, support 2/4GB		Adapter		
		cache, support ulc	cache, support ulc		12Gbps non-RAID HBA		

		Huawei RH2488 v5	HPE Proliant DL360 G10 Server Two-floor	Lenovo ThinkSystem SR850 Server(2U)	HPE Proliant DL380 G10 Server (2U) Single	Inspur NF8260 M5 Server(2U)
	Two-floor	Single-floor motherboard design	motherboard design	Two-floor motherboard design	floor motherboard design	Two-floor motherboard design
	protection.	protection.		card: ThinkSystem 430-8i SAS/SATA 12Gb HBA ThinkSystem 430-16i SAS/SATA 12Gb HBA NVMe adapter ThinkSystem 1610-4P NVMe Switch Adapter		
Cache Size/Maxim um	4GB	4GB	0/2GB/4GB	None、1GB、2GB、4GB	8GB	N/A
Cahce Protection Type	N/A	N/A	flash-backed write cache (FBWC).	None(530-8i、730-8i)、 Flash backup(930-8i、 930-16i)	non-volatile cache	N/A
Battery or Capacitance	Battery	Battery	Battery	Capacitance	Battery	Battery or Capacitance
technical characteristi	9361 Huawei 3508 standard	Broadcom MegaRAID 9361 Huawei 3508 standard PCIe RAID card	12Gb	Controller Chips: SAS3408(530-8i)、 SAS3108(730-8i)、 SAS3508 (930-8i)、 SAS3516 (930-16i)、 SAS3408 (430-8i)、 SAS3416 (430-16i) RAID Support: 530-8i	H840 8GB cache (LSI 3508) exterN/AI H740P 8GB cache (LSI 3508) H730P 2GB cache (LSI 3108) H330 (LSI 3008) HBA (LSI 3008)	

Server Mo	del	Huawei RH2488H V5 Rack Server	Huawei RH2488 v5	HPE Proliant DL360 G10 Server Two-floor	Lenovo ThinkSystem SR850 Server(2U)	HPE Proliant DL380 G10 Server (2U) Single	Inspur NF8260 M5 Server(2U)
		Two-floor motherboard design	Single-floor motherboard design	motherboard design	Two-floor motherboard design	floor motherboard design	Two-floor motherboard design
		inotici zodia design			(0\1\10\5\50) 、730-8 (0\1\10\5\50) 、930-8 (0\1\10\5\50\6\60) 、 930-16i (0\1\10\5\50\6\60)	i S140 (software Raid,	Thomas design
SD Card	Number of SD cards	N/A	N/A	2	N/A	2	N/A
	SD card capacity	N/A	N/A	8GB/32GB	N/A	64GB	N/A
	SD cards can form RAID levels	N/A	N/A	RAID 1	N/A	RAID 1	N/A
M.2	M.2 quantity	N/A	N/A	2	1 or 2	2	2
	M. 2 single chip capacity	N/A	N/A	960GB	ThinkSystem M.2 CV1 32GB ThinkSystem M.2 CV3 128GB	240GB	N/A
	M.2 RAID levels	N/A	N/A	RAID 1	RAID 1	RAID 1	N/A
Network card	Sub-Card (NDC Card Type)	Mainboard provides 2*GE electrical port and 2*10GE fibre optical port, this is the	Mainboard provides 2*GE electrical port and 2*10GE fibre optical port, this is the	4x1Gb/2x10Gb/4x10Gb/2 x25Gb(FlexibleLOM)	LOM cards ThinkSystem 1Gb 2-port RJ45 LOM ThinkSystem 1Gb 4-port	4 1GE interfaces, or 2 10GE interfaces plus 2 1GE interfaces, or 4 10GE interfaces, or two 25GE	Support OCP NIC card or PHY card

Server Model		Huawei RH2488 v5	HPE Proliant DL360 G10	Lenovo ThinkSystem	HPE Proliant DL380 G10	Inspur NF8260 M5
	Rack Server	Rack Server (2U)	<u>Server</u> Two-floor	SR850 Server(2U)	Server (2U) Single	Server(2U)
	Two-floor	Single-floor	motherboard design	Two-floor motherboard	floor motherboard	Two-floor
	motherboard design	motherboard design		design	design	motherboard design
	inherent	inherent configuration,		RJ45 LOM	interfaces	
	configuration, can not	can not be optioN/Al		ThinkSystem 10Gb 2-port		
	be optioN/Al			Base-T LOM		
				ThinkSystem 10Gb 2-port		
				SFP+ LOM		
				ThinkSystem 10Gb 4-port		
				Base-T LOM		
				ThinkSystem 10Gb 4-port		
				SFP+ LOM		
				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		

Server Model	Huawei RH2488H V5	Huawei RH2488 v5	HPE Proliant DL360 G10	Lenovo ThinkSystem	HPE Proliant DL380 G10	Inspur NF8260 M5
	Rack Server	Rack Server (2U)	Server Two-floor	SR850 Server(2U)	Server (2U) Single	Server(2U)
	Two-floor	Single-floor	motherboard design	Two-floor motherboard	floor motherboard	Two-floor
	motherboard design	motherboard design		design	design	motherboard design
				Adapter		
				Mellanox ConnectX-4 Lx		
				ML2 25Gb 2-Port SFP28		
				Ethernet Adapter		
				Mellanox ConnectX-3 Pro		
				ML2 FDR 2-Port QSFP VPI		
				Adapter		
PCle	A total of 11 PCI-e	A total of 9 PCI-e solts	N/A	Up to 11 PCIE 3.0 slot are	N/A	
(occupies a	solts were provided	were provided		supported		
standard				Slot 1: PCle 3.0 x16 (low		
slot)				profile) (CPU 2)		
				Slot 2: PCle 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: PCle 3.0 x8 (low		
				profile) (CPU 1)		
				Slot 9: PCle 3.0 x8 (low		

Server Mod	lel	Huawei RH2488H V5	Huawei RH2488 v5	HPE Proliant DL360 G10	Lenovo ThinkSystem	HPE Proliant DL380 G10	Inspur NF8260 M5
		Rack Server	Rack Server (2U)	Server Two-floor	SR850 Server(2U)	Server (2U) Single	Server(2U)
		Two-floor	Single-floor	motherboard design	Two-floor motherboard	floor motherboard	Two-floor
		motherboard design	motherboard design		design	design	motherboard design
					profile) (CPU 1)		
					Slot 10: PCIe 3.0 x8 (low		
					profile) (CPU 1)		
					Slot 11: PCle 3.0 x16 (low		
					profile) (CPU 1)		
GPU	GPU Max	3	0	2	The SR850 currently does	2 double widths	4
	Supported				not support any graphics		
	Blocks				processing units (GPUs).		
	GPU model	nVidia Tesla P4 single	N/A	P2000 single width		P100/V100/P40/M10	N/A
		width					
FPGA	FPGA	0	0	/	N/A	2	N/A
	Maximum						
	Supported						
	Blocks						
	FPGA model	N/A	N/A	/	N/A	Intel TBD	N/A
Hard drive	Туре	8 SAS/SATA hard disk	8 SAS/SATA hard disk	24 SFF/12 NVMe	Support up to 16 SAS /	24*2.5"/24 x 2.5" NVMe	The front supports
backplane	(including	configuration:	configuration:		2.5 inch SATA		24 2.5-inch hard
	the	Up to 8 front 2.5-inch	Up to 8 front facing		hot-swappable hard disk		drives and up to 6
	maximum	SAS/SATA hard drives	2.5-inch SAS/SATA		There are 2 kinds of hard		U.2 NVMe hard
	number of	are supported, and 1	drives are supported,		disk back to choose from:		drives
	supported	PCIe RAID card is	with 1 RAID card		8 SAS/SATA hard drive		
	hard disks)	required.	configured.		backplane (8 SAS / 2.5		
		This configuration can	The front panel DVD		inch SATA hard disk)		
		support the front	drive or LCD module		8 SAS/SATA + AnyBay		

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	Rack Server	Rack Server (2U)	Server Two-floor	SR850 Server(2U)	Server (2U) Single	Server(2U)
	Two-floor	Single-floor	motherboard design	Two-floor motherboard	floor motherboard	Two-floor
	motherboard design	motherboard design		design	design	motherboard design
	panel DVD built-in	can be supported		hard drive back		
	drive, the default	under this		a. 8 SAS / 2.5 inch SATA		
	support VGA interface	configuration.		hard disk		
	and USB 3.0 interface.	25 SAS/SATA hard disk		b. 4 2.5 -inch SAS / 2.5		
	24 SAS/SATA hard disk	configuration:		inch SATA hard disk + 4 U.		
	configuration:	Up to 25 front-facing		2 (NVMe) hard drive		
	Up to 24 front-facing	2.5-inch SAS/SATA		Note: anybay is inside the		
	2.5-inch SAS/SATA	drives are supported,		hard drive bracket can		
	drives are supported,	with 1 RAID card		install SATA, SAS, NVMe		
	requiring three PCIe	configured.		hard disk		
	RAID CARDS, 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	Yes	Yes	Yes	Yes	Yes	Yes
support						
hard disk						
hot swap						

Server Mod	el	Huawei RH2488H V5	Huawei RH2488 v5	HPE Proliant DL360 G10	Lenovo ThinkSystem	HPE Proliant DL380 G10	Inspur NF8260 M5
		Rack Server		Server Two-floor	SR850 Server(2U)	Server (2U) Single	Server(2U)
		Two-floor	Single-floor	motherboard design	Two-floor motherboard	floor motherboard	Two-floor
	ı	motherboard design	motherboard design		design	design	motherboard design
Hard disk	Model and	8 front 2.5 inch	8 front 2.5 inch	24 SFF/12 NVMe	2.5 inch 12Gbps SAS hard	· ·	24 front 2.5 inch
configurati	quantity	SAS/SATA hard disks	SAS/SATA hard disks		disk:	24*2.5"	SAS/SATA hard
on		24 front 2.5 inch	25 front 2.5 inch		300GB 15K、600GB 15K、		disks,Up to 6 NVMe
		SAS/SATA hard disks	SAS/SATA hard disks		900GB 15K		SSDS can be
		25 front 2.5 inch			300GB 10K、600GB 10K、		supported
		SAS/SATA hard disks			900GB 10K、1.2TB 10K、		
					1.8TB 10K		
					2.5 inch 12Gbps NL-SAS		
					hard disk:		
					1TB 7.2K、2TB 7.2K		
					2.5 inch 6Gbps SATA hard		
					disk:		
					1TB 7.2K、2TB 7.2K		
					2.5 inch SSD hard disk:		
					SAS interface: HUSMM32	2	
					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		

Server Mod	lel	Huawei RH2488H V5 Rack Server	Huawei RH2488 v5 Rack Server (2U)	HPE Proliant DL360 G10 Server Two-floor	Lenovo ThinkSystem SR850 Server(2U)	HPE Proliant DL380 G10 Server (2U) Single	Inspur NF8260 M5 Server(2U)
		Two-floor	Single-floor	motherboard design	Two-floor motherboard	floor motherboard	Two-floor
	_	motherboard design	motherboard design		design	design	motherboard design
					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		
Chassis	Dimensions	2U height; fully	2U height; fully	2U: 8.75 x 44.54 x	2U	2U: 8.68 x 48.2 x	2U height: 448.0mm
	(cm)	equipped with 31Kg	equipped with 31Kg	75.47cm	height: 86 mm (3.4 in)	81.2cm	wide, 87mm high,
					width: 445 mm (17.5 in)		780mm deep
					depth: 776 mm (30.5 in)		
	Ventilation	Air-cooled	Air-cooled	Forward wind	Wind after wind	Wind after wind	Air-cooled
	method						
Temperatu	Equipment	Operating	Operating	Max 5° -45°	ASHRAE Class A4: 5 ° C -	10° C to 35° C	0 - 35° C
е	operating	temperature: 5°C ~	temperature: 5°C ~		45 ° C (41 ° F - 113 °		
	temperature	45℃ (41° F ~ 113° F)	45℃ (41℉ ~113℉)		F); for altitudes above 900		
	range (℃)				m (2,953 ft), decrease the		
					maximum ambient		
					temperature by 1 ° C for		
					every 125-m (410-ft)		
					increase in altitude		
					ASHRAE Class A3: 5 ° C -		
					40 ° C (41 ° F - 104 °		
					F); for altitudes above 900		
					m (2,953 ft), decrease the		

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	Rack Server	Rack Server (2U)	Server Two-floor	SR850 Server(2U)	Server (2U) Single	Server(2U)
	Two-floor	Single-floor	motherboard design	Two-floor motherboard	floor motherboard	Two-floor
	motherboard design	motherboard design		design	design	motherboard design
				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		
Equipn	nent Working humidity: 8%	Working humidity: 8%	8% - 90%	ASHRAE Class A4: 8% -	10% to 80%	5%-85%RH
workin	g RH ~ 90% RH (no	RH ~ 90% RH (no		90% (non-condensing);		
humidi	ty condensation)	condensation)		maximum dew point:		
range				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)		

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		Two-floor	Single-floor	motherboard design	Two-floor motherboard	floor motherboard	Two-floor
		motherboard design	motherboard design		design	design	motherboard design
Hot-swapp	Nominal	• 2000W AC power	2000W ac power	800W/1600W	SR850 2S Power Paddle	Platinum 1100W \	CRPS power module
able power	power of	module (Note2)	module (Note2)		(power interposer)	1600W、2000W、	550/800/1300/1600
supplies	single	• 1500W AC power	• 1500W AC power		750W Platinum	2400W、336-380VDC	w, support full grid
	power	module (power	module (power		(230V/115V) Power	1100W	AC, 240/336v high
	supply (W)	supply: 100V AC ~	supply: 100V AC ~		Supply	Gold class 48VDC 1100W	voltage DC and -48v
		127V AC or 200V AC ~	127V AC or 200V AC ~		1100W Platinum		low voltage DC input
		240V AC or 190V DC ~	240V AC or 190V DC ~		(230V/115V) Power		
		300V DC)	300V DC)		Supply		
		• 900W AC power	900W AC power		1600W Platinum (230V)		
		module (power	module (power		Power Supply		
		supply: 100V AC ~	supply: 100V AC ~				
		240V AC or 190V DC ~	240V AC or 190V DC ~				
		290V DC)	290V DC)				
		•1200W power	•1200W DC power				
		module (power	module (power				
		supply: -38.4V DC ~	supply: -38.4V DC ~				
		-72V DC)	-72V DC)				
	Quantity	2 1+1 redundancy	2 1+1 redundancy	1-2	2	2	2
		backups	backups				
	Dual power	Redundancy	Redundancy	The main case/LB	1+1 redundancy	Redundancy	1+1 redundancy
	mode						
	Input	100V AC ~ 240V AC is	100V AC ~ 240V AC is	100 - 127 VAC, 200 - 240	110\/ \C(750\\/ 1100\\/	AC:	AC, 240/336v DC and
	method	compatible with 240V	compatible with 240V	VAC, 240VDC (800W	110V AC(750W, 1100W	750W/1100W/1600W/2	-48v DC inputs
		DC	DC	Platinum PS only)		000W/2400W;	

Server Mo	del	Huawei RH2488H V5	Huawei RH2488 v5	HPE Proliant DL360 G10	Lenovo ThinkSystem	HPE Proliant DL380 G10	Inspur NF8260 M5
		Rack Server	Rack Server (2U)	Server Two-floor	SR850 Server(2U)	Server (2U) Single	Server(2U)
		Two-floor	Single-floor	motherboard design	Two-floor motherboard	floor motherboard	Two-floor
		motherboard design	motherboard design		design	design	motherboard design
				200 - 240 VAC, 240VDC(800W Titanium	220V AC(750W、1100W、	DC: 1100W;	
				PS only) 200 V to 277 VAC, 380	1600W)	HVDC/AC: 240V 750W,	
				VDC (800W Universal PS only)	240V DC(750W、1100W、	336V 1100W	
				-40 VDC to -72 VDC, -48 VDC nomiN/Al input	1600W)		
				(800W -48VDC PS only)			
				200 - 240 VAC, 240 VDC			
				for ChiN/A only (1600W			
				PS Only)			
PCI-E	Quantity	Up to 11 PCle 3.0 PCle	Supports up to 9 PCIe	8	Supports up to 11 PCIE	6 x PCle	Supports up to 8
(1/0)		expansion slots are	3.0 PCle expansion		3.0 slots	Where 4 x PClex16	PCIe 3.0 slots and 1
		supported, where:	slots, where:		Slot 1: PCle 3.0 x16 (low		OCP slot
		• 1 x4 interface (using	• 5 x8 interfaces		profile) (CPU 2)		
		x8 slot)	 4 x16 interfaces 		Slot 2: PCIe 3.0 x8 (low		
		 7 x8 interfaces 			profile) (CPU 2)		
		 3 x16 interfaces 			Slot 3-5: Riser card slots		
					(see below) (CPU 2)		
					Slot 6: PCle 2.0 x2		
					dedicated to M.2 adapter		
					and drives		
					Slot 7: Dedicated to		

Server Mod	el	Huawei RH2488H V5	Huawei RH2488 v5	HPE Proliant DL360 G10	Lenovo ThinkSystem	HPE Proliant DL380 G10	Inspur NF8260 M5
		Rack Server	Rack Server (2U)	Server Two-floor	SR850 Server(2U)	Server (2U) Single	Server(2U)
		Two-floor	Single-floor	motherboard design	Two-floor motherboard	floor motherboard	Two-floor
		motherboard design	motherboard design		design	design	motherboard design
					Ethernet LOM phy		
					adapter (CPU 1)		
					Slot 8: PCle 3.0 x8 (low		
					profile) (CPU 1)		
					Slot 9: PCle 3.0 x8 (low		
					profile) (CPU 1)		
					Slot 10: PCIe 3.0 x8 (low		
					profile) (CPU 1)		
					Slot 11: PCle 3.0 x16 (low		
					profile) (CPU 1)		
USB port	Quantity	Front panel provides 2	Front panel provides 2	3 x USB 3.0 (front);	4: front 2 and rear 2	3 x USB 2.0 (front);	
		USB 2.0, 1 USB 3.0	USB 2.0, 1 USB 3.0	2 x USB 3.0 (rear);	Front: Two USB 2.0 ports	2 x USB 3.0 (rear);	
		Panel offers 2 USB 3.0	Panel offers 2 USB 3.0		or one USB 2.0 and one	1 x USB 3.0 (middle);	
					USB 3.0 port;		
					Rear: Two USB 3.0 ports;		
Out-of-ban	Yes or No	Yes	Yes	Yes	Yes	Yes	Yes
d	The main	UEFI	UEFI	HPE iLO Standard with	XClarity Controller (XCC)	IPMI 2.0 compliant	Support remote
manageme	function	іВМС	iBMC	smart configuration	Advanced	IDRAC9 with life cycle	maN/Agement
nt		Adopt independent	Adopt independent	(embedded), HPE	OptioN/Ally upgrade to	controller (Express	control, such as
		interface, support	interface, support	OneView Standard	Enterprise by Features on	edition, Enterprise	IPMI2.0, KVM over
		SNMP, IPMI, provide	SNMP, IPMI, provide	(download required)	Demand (FoD)	edition)	IP, SOL, SNMP, etc.,
		GUI, virtual KVM,	GUI, virtual KVM,	(Standard), HPE iLO	Support Mobile	OptioN/Al Quick Sync 2	can achieve
		virtual media, SOL,	virtual media, SOL,	Advanced,HPE iLO	maN/Agement function	wireless module	hardware failure,
		intelligent power	intelligent power	Advanced Premium	(Xclarity Mobile App+ USB	3	memory failure, PCIe

Server Mod	lel	Huawei RH2488H V5	Huawei RH2488 v5	HPE Proliant DL360 G10	Lenovo ThinkSystem	HPE Proliant DL380 G10	Inspur NF8260 M5
		Rack Server	Rack Server (2U)	Server Two-floor	SR850 Server(2U)	Server (2U) Single	Server(2U)
		Two-floor	Single-floor	motherboard design	Two-floor motherboard	floor motherboard	Two-floor
		motherboard design	motherboard design		design	design	motherboard design
		supply, remote	supply, remote	Security Edition and HPE	interface connection),		device failure, hard
		control, hardware	control, hardware	OneView Advanced	Mobile App supports		disk failure detection
		monitoring and other	monitoring and other	(optioN/AI)	Android or iOS		and warning
		features.	features.				
		Support for NCSI for	Support for NCSI for				
		onboard network	onboard network				
		ports.	ports.				
		Support for huawei	Support for huawei				
		eSight maN/Agement	eSight maN/Agement				
		software, support for	software, support for				
		VMware vCenter,	VMware vCenter,				
		Microsoft	Microsoft				
		SystemCenter,	SystemCenter,				
		N/Agios and other	N/Agios and other				
		third party	third party				
		maN/Agement system	maN/Agement system				
		integration.	integration.				
Energy	Yes or No	N/A	N/A	Yes	Yes: Xclarity Energy	Yes	N/A
manageme					MaN/Ager		
nt							
System coo	ling fan	N/A	N/A	6 hot plug fans, support	6 hot plug fans, support	6 hot plug fans, support	N/A
				N+1 redundancy	N+1 redundancy	N+1 redundancyWind	
						guide baffle, vector heat	
						dissipation	

Server Model	Huawei RH2488H V5 Rack Server	Huawei RH2488 v5	HPE Proliant DL360 G10 Server Two-floor	Lenovo ThinkSystem SR850 Server(2U)	HPE Proliant DL380 G10 Server (2U) Single	Inspur NF8260 M5 Server(2U)
	Two-floor	Single-floor	motherboard design	Two-floor motherboard	floor motherboard	Two-floor
	motherboard design	motherboard design	inother board design	design	design	motherboard design
LCD display	Only fault diagnosis	LCD LCD panel	Systems Insight Display	Yes	OptioN/Al	N/A
LCD display	,	'	Systems msignt Display	res	Option/Ai	IN/ A
	digital tube	(touchable)				
		Fault diagnosis digital				
		tube				
Host front panel with			Yes	Support, optioN/Al	Yes	N/A
keyhole and key				Lockable front security		
				bezel		
Other	Safety characteristics	Safety characteristics		Lenovo AnyBay is a	Cryptographically signed	N/A
	Add electric password	Add electric password		unique drive bay type	firmware; Hardware Root	
	Administrator	Administrator		that allows a choice of	of Trust; Secure Boot;	
	password	password		drive interface types in	System Lockdown;	
	TPM 2.0	TPM 2.0		the same drive bay: SAS	System Erase;	
	Safe launch	Safe launch		drives, SATA drives, or U.2	OpenMaN/Age	
	Safety panel	Safety panel		NVMe PCIe drives.	connections: N/Agios &	
					N/Agios XI,Oracle	
					Enterprise MaN/Ager, HP	
					Operations MaN/Ager,	
					IBM Tivoli	
					Netcool/OMNIbus, IBM	
					Tivoli® Network	
					MaN/Ager, CA Network	
					and Systems	
					MaN/Agement	

Server Model	Huawei RH2488H v5 (2U) 2 floors motherboard design	HPE DL560 G10 (2U)2 floors motherboard design	G10 (4U)2 floors	H3C R6900 G3 (4U)single layer motherboard design	Lenovo SR860 (4U)	(4U)Up to 8 servers can be	2 floors	Inspur NF8460 M5 (4U)	Inspur NF8480 M5 (4U, using single-floor motherboard design)	Sugon 1840-G30
Advantages o 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 maN/Agement platform of dell 14 generation server platform with server life cycle maN/Agement;			
							5. Dell 14 generation server consistent			

Server	Model	Huawei RH2488H v5 (2U) 2 floors motherboard design	HPE DL560 G10 (2U)2 floors motherboard design	G10 (4U)2 floors	H3C R6900 G3 (4U)single layer motherboard design	Lenovo SR860 (4U)	(4U)Up to 8 servers can be	2 floors	Inspur NF8460 M5 (4U)	Inspur NF8480 M5 (4U, using single-floor motherboard design)	Sugon 1840-G30
Disadv	antages							security features, Root Trust;			
of Dell	Servers										
CPU	Model	Scalable processors	Intel® Xeon® Scalable processors 8100/6100/51 00	Intel® Xeon® Scalable processors 8100/6100/5 100	Intel® Xeon® Scalable processors 8100/6100/51 00	Intel® Xeon® Scalable processors 8100/6100/51 00	Intel® Xeon® Scalable processors 8100/6100/51 00 (up to 8 processors)	Intel® Xeon® Scalable processors 8100/6100/510 0/8200/6200/5 200		Intel® Xeon® Scalable processors 8100/6100/510	Intel® Xeon® Scalable processors 8100/6100
	CPU model	8180 28C 2.5GHz	Platinum 8180M	Platinum 8180M	Platinum 8180M	Intel Xeon Platinum 8176 28C 165W 2.1GHz	Platinum 8180M 28C 205W 2.5GHz	8180M	N/A	Platinum 8180M 28C 205W 2.5GHz	N/A
Chipse	t	Intel C622	Intel C621	Intel C621	Intel C621	Intel C624	Intel C624	Intel C621	N/A	Intel C624/intel 627	intel 620 series
RAM	Model	48 DIMM 64GB/2666M Hz	DDR4 RDIMM,LRDIM M, NVDIMM	DDR4 RDIMM,LRDI MM	DDR4 RDIMM,LRDIM M, NVDIMM	48 DDR4 DIMM slots, up to 2666MT/s12 DDR4 DIMM	96 DDR4 DIMM slots (in the case of 8 cpus) up to 2666MT/s12	DDR4 2667MHze RDIMM/LRDIM M/NVDIMM	48 memory slots, up to DDR4-2666 memory	48 memory slots, up to DDR4-2666 memory	48 memory slots, up to DDR4-2666 memory

Server Mod	lel Huawei	HPE DL560 G10	HPE DL580	H3C R6900 G3	Lenovo SR860	Lenovo SR950	Dell R940(3U)	Inspur NF8460	Inspur NF8480	Sugon
	RH2488H v5	(2U)2 floors	G10 (4U)2	(4U)single	(4U)	(4U)Up to 8	2 floors	M5 (4U)	M5 (4U, using	1840-G30
	(2U) 2	motherboard	floors	layer		servers can be	motherboard		single-floor	
	floors	design	motherboard	motherboard		upgraded	design		motherboard	
	motherboard		design	design		inside the 4U			design)	
	design					chassis				
					slots per CPU	DDR4 DIMM				
						slots per CPU				
Tota	al Up to 48	6ТВ	6ТВ	6ТВ	RDIMMs	RDIMMs	6ТВ		"RDIMMs	"RDIMMs
Сар	acit DDR4				supports up to	supports up to			supports up to	supports up to
у	memory slots				1.5TB(4 CPU).	3TB (8 CPU).			3TB.	3TB.
	(12 DDR4				LRDIMMs	LRDIMMs			LRDIMMs	LRDIMMs
	memory slots				supports up to	supports up to			supports up to	supports up to
	per				3TB(4 CPU).	6TB (8 CPU).			6ТВ.	6ТВ.
	processor)				3DS RDIMMs	3DS RDIMMs			NVDIMM	NVDIMM
	with support				supports up to	supports up to			support	support
	for RDIMM				6TB(4 CPU).	12TB (8 CPU).				
	and LRDIMM.									
	Memory									
	speeds up to									
	2666MT/s.									
	RDIMM: 48									
	32 GB									
	RDIMM, maxi									
	memory is									
	1.5TB.									
	LRDIMM: 48									
	64 GB									

Server Model	Huawei RH2488H v5 (2U) 2 floors motherboard design	HPE DL560 G10 (2U)2 floors motherboard design	G10 (4U)2 floors	H3C R6900 G3 (4U)single layer motherboard design	Lenovo SR860 (4U)	Lenovo SR950 (4U)Up to 8 servers can be upgraded inside the 4U chassis	2 floors	Inspur NF8460 M5 (4U)	Inspur NF8480 M5 (4U, using single-floor motherboard design)	Sugon 1840-G30
	LRDIMM with a maxi memory of 3TB.									
Memo Model	Broadcom	S100i,E208i/e,P	S100i,E208i/e,	On board HW	12Gbps RAID	12Gbps RAID	S140/H330/H73	N/A	Raid card:	Hard disk
ry	MegaRAID	408i/e,P816i	P408i/e	RAID: SATA	controller:	controller:	0P/H740P/H840		LSI 9361-8i	controller can
Contro	9361-8i			RAID0/1/10/5;	ThinkSystem	ThinkSystem			(1GB);	be flexibly
ller	standard PCIe			option PCIe 3.0	RAID 530-8i	RAID 530-8i			INSPUR 0820P	configured SAS
	RAID card,			HBA and RAID	PCle 12Gb	PCle 12Gb			(2GB);	card, support
	supports			card slots	Adapter	Adapter			LSI 9460-8i	RAID0 / 1/10
	RAID0 /				ThinkSystem	ThinkSystem			(2GB);	SAS RAID card,
	1/5/6/10/50/				RAID 730-8i	RAID 730-8i			INSPUR 0820L	support RAID
	60, supports				1GB Cache	1GB Cache			(2GB)	0/1/5/6/50/60
	1GB cache,				PCIe 12Gb	PCIe 12Gb			LSI 9361-8i	Support cache
	and supports				Adapter	Adapter			(2GB)	super capacitor
	super				ThinkSystem	ThinkSystem			INSPUR 0840L	protection,
	capacitor				RAID 930-8i	RAID 930-8i			(4GB)	provide RAID
	protection.				2GB Flash PCIe	2GB Flash PCIe			SAS card:	state
	Huawei 3508				12Gb Adapter	12Gb Adapter			SAS3008 IMR;	migration,
	standard PCIe				ThinkSystem	ThinkSystem			SAS3008 IT	RAID
	RAID card,				RAID 930-16i	RAID 930-16i				configuration
	supports				4GB Flash PCIe	4GB Flash PCle				memory and

rver Model	Huawei RH2488H v5 (2U) 2 floors motherboard design	design	G10 (4U)2 floors motherboard	H3C R6900 G3 (4U)single layer motherboard design	Lenovo SR860 (4U)	Lenovo SR950 (4U)Up to 8 servers can be upgraded inside the 4U chassis	2 floors	Inspur NF8460 M5 (4U)	Inspur NF8480 M5 (4U, using single-floor motherboard design)	Sugon 1840-G30
Cache	RAIDO / 1/5/6/10/50/ 60, 2 / 4GB cache, and super capacitor protection.	0/2GB/4GB	0/2GB/4GB	2GB	12Gbps non-RAID HBA card: ThinkSystem 430-8i SAS/SATA 12Gb HBA ThinkSystem 430-16i SAS/SATA 12Gb HBA NVMe adapter ThinkSystem 1610-4P NVMe Switch Adapter	non-RAID HBA card: ThinkSystem 430-8i SAS/SATA 12Gb HBA ThinkSystem 430-16i SAS/SATA 12Gb HBA	8GB	N/A	Up to 4GB	other functions
Size/M aximu m		.,,	.,		2GB、4GB	2GB、4GB			.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	

	(2U) 2	HPE DL560 G10 (2U)2 floors motherboard design	G10 (4U)2 floors	H3C R6900 G3 (4U)single layer motherboard design	Lenovo SR860 (4U)	(4U)Up to 8 servers can be	2 floors	Inspur NF8460 M5 (4U)	Inspur NF8480 M5 (4U, using single-floor motherboard design)	Sugon 1840-G30
Cahce Protect ion Type	N/A	flash-backed write cache (FBWC).		FBWC	1	None(530-8i、 730-8i)、Flash backup(930-8i 、930-16i)		N/A	N/A	N/A
Battery or Capacit ance	,	Battery	Battery	Battery or Capacitance	Capacitance	Capacitance	Battery	N/A	Capacitance	Capacitance
technic al charact eristics	Broadcom MegaRAID 9361 Huawei 3508 standard PCIe RAID card	12Gb	12Gb SAS, up to 240 pieces	N/A	Controller Chips: SAS3408(530-8i)、 SAS3108(730-8i)、SAS3508 (930-8i)、 SAS3516(930-16i)、SAS3408 (430-8i)、 SAS3416(430-16i) RAID	Chips: SAS3408 (530-8i) \ SAS3108 (730-8i) \ SAS3508 (930-8i) \ SAS3516	exterN/Al H740P 8GB cache (LSI 3508) H730P 2GB cache (LSI 3108) H330 (LSI 3008) HBA (LSI 3008) S140 (software Raid, support	storage controller with cache to support power-off protection	LSI SAS 3108; PM8060;	N/A

Server	Model	Huawei RH2488H v5 (2U) 2 floors motherboard design	HPE DL560 G10 (2U)2 floors motherboard design	G10 (4U)2 floors motherboard	H3C R6900 G3 (4U)single layer motherboard design	Lenovo SR860 (4U)	(4U)Up to 8 servers can be	2 floors	Inspur NF8460 M5 (4U)	Inspur NF8480 M5 (4U, using single-floor motherboard design)	Sugon I840-G30
co.	Number		2	2		730-8i(0\1\10\ 5\50)、 930-8i(0\1\10\ 5\50\6\60)、 930-16i(0\1\1 0\5\50\6\60)	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\1 0\5\50\6\60)	2	N/A	N/A	2
SD Card	Numbe r of SD cards SD card capacit	N/A		8GB/32GB	N/A	N/A	N/A N/A	64GB	N/A N/A	N/A	N/A
	у	N/A	RAID 1	RAID 1	RAID 1	N/A	N/A	1	N/A	N/A	N/A
M.2	M.2	N/A	2	2	N/A	1 or 2	1 or 2	2	2	2	2

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Server I		Huawei RH2488H v5 (2U) 2 floors motherboard design	HPE DL560 G10 (2U)2 floors motherboard design	G10 (4U)2 floors	H3C R6900 G3 (4U)single layer motherboard design	Lenovo SR860 (4U)	(4U)Up to 8 servers can be	2 floors	Inspur NF8460 M5 (4U)	Inspur NF8480 M5 (4U, using single-floor motherboard design)	Sugon 1840-G30
	quantit y										
	M. 2 single chip capacit y	N/A	960GB	Max.960GB	N/A	ThinkSystem M.2 CV1 32GB ThinkSystem M.2 CV3 128GB	ThinkSystem M.2 CV1 32GB ThinkSystem M.2 CV3 128GB	240GB	N/A	Up to 960GB	N/A
	M.2 RAID levels	N/A	RAID 1	RAID 1	N/A	RAID 1	Raid 1	1	Raid1	Raid1	N/A
Netwo	Sub-Car	Mainboard	4x1Gb/2x10Gb	Default	mLOM	LOM cards	LOM cards	4 1GE	Support for	2 x 10Gb;	Integrated
	Card Type)	provides 2*GE electrical port and 2*10GE optical port, this is the inherent configuration, can not be optional	M)	eLOM) Optional	4xGE, 2x10GE, 2x10GE optical, mLOM support NCSI, PCI-E 3.0 的 NIC card	RJ45 LOM ThinkSystem	ThinkSystem 1Gb 2-port RJ45 LOM ThinkSystem 1Gb 4-port RJ45 LOM ThinkSystem 10Gb 2-port Base-T LOM ThinkSystem 10Gb 2-port	10GE interfaces plus 2 1GE interfaces, or 4 10GE interfaces, or 2 25GE	flexible extension of	4 x 10Gb; 2 x 25Gb; 1 x 25Gb; 4 X 1Gb;	gigabit dual port RJ45 and 10 gigabit dual port fiber network interface

Server Model	Huawei RH2488H v5 (2U) 2 floors	HPE DL560 G10 (2U)2 floors motherboard design	G10 (4U)2 floors	H3C R6900 G3 (4U)single layer motherboard	(4U)	(4U)Up to 8 servers can be	2 floors motherboard	Inspur NF8460 M5 (4U)	Inspur NF8480 M5 (4U, using single-floor motherboard	Sugon 1840-G30
	motherboard	design	design	design		inside the 4U	design		design)	
	design		uesigii	uesigii		chassis			designij	
	ucsign				SFP+ LOM	SFP+ LOM				
						ThinkSystem				
						10Gb 4-port				
					-	Base-T LOM				
						ThinkSystem				
					· ·	10Gb 4-port				
					SFP+ LOM	SFP+ LOM				
					SFP+ LUIVI	SFP+ LUIVI				
					ML2 adapters	ML2 adapters				
					Intel I350-T4	Intel I350-T4				
					ML2 1Gb	ML2 1Gb				
					4-Port RJ45	4-Port RJ45				
					Ethernet	Ethernet				
					Adapter	Adapter				
					Intel	Intel				
					X710-DA2 ML2	X710-DA2				
					2x10GbE SFP+					
					Adapter	SFP+ Adapter				
					Broadcom	Broadcom				
					NX-E ML2	NX-E ML2				
					10Gb 2-Port	10Gb 2-Port				
					Base-T	Base-T				
					Ethernet	Ethernet				

Server Model	Huawei RH2488H v5 (2U) 2 floors motherboard design	HPE DL560 G10 (2U)2 floors motherboard design	G10 (4U)2 floors	H3C R6900 G3 (4U)single layer motherboard design	Lenovo SR860 (4U)	(4U)Up to 8 servers can be	2 floors	Inspur NF8460 M5 (4U)	Inspur NF8480 M5 (4U, using single-floor motherboard design)	Sugon 1840-G30
					Adapter	Adapter				
					Emulex	Emulex				
					VFA5.2 ML2	VFA5.2 ML2				
					Dual Port	Dual Port				
					10GbE SFP+	10GbE SFP+				
					Adapter	Adapter				
					Emulex	Emulex				
					VFA5.2 ML2	VFA5.2 ML2				
					2x10 GbE SFP+	2x10 GbE SFP+				
					Adapter and	Adapter and				
					FCoE/iSCSI SW	FCoE/iSCSI SW				
					Mellanox	Mellanox				
					ConnectX-4 Lx	ConnectX-4 Lx				
					ML2 1x25GbE	ML2 1x25GbE				
					SFP28 Adapter	SFP28 Adapter				
					Mellanox	Mellanox				
					ConnectX-4 Lx	ConnectX-4 Lx				
					ML2 25Gb	ML2 25Gb				
					2-Port SFP28	2-Port SFP28				
					Ethernet	Ethernet				
					Adapter	Adapter				
					Mellanox	Mellanox				
					ConnectX-3	ConnectX-3				

erver Model	Huawei RH2488H v5 (2U) 2 floors motherboard design	HPE DL560 G10 (2U)2 floors motherboard design	G10 (4U)2 floors	H3C R6900 G3 (4U)single layer motherboard design	Lenovo SR860 (4U)	Lenovo SR950 (4U)Up to 8 servers can be upgraded inside the 4U chassis	2 floors	Inspur NF8460 M5 (4U)	Inspur NF8480 M5 (4U, using single-floor motherboard design)	Sugon 1840-G30
					2-Port QSFP	2-Port QSFP				
					VPI Adapter	VPI Adapter				
PCle	Provides a	N/A	N/A		•	Support up to	Yes	N/A	16 x PCle +1 x	Up to 14 PCle
(occupi	total of 11				13 PCIE 3.0	17 PCIE 3.0			ОСР	expansion
es a	PCI-e solt				slots	slots				slots,
standar					Slot 1-2: Riser	Slots 1-4 are				Contains:
d slot)					card slots	via Riser Slot				5 PCle 3.0x16
					(choice of	1, one riser				slots
					x8/x8 or x16)	card of:				9 PCle 3.0x8
					(FHFL)	Riser with 4x				slots
					Slot 3: Riser	PCIe 3.0 x16				
					slot to	slots, all				
					eN/Able slots	full-height				
					1 & 2 in the	half-length, all				
					PCIe	75W				
					Expansion	Riser with 2x				
					Tray (PCIe 3.0	PCIe 3.0 x16				
					x16)*	slots, all				
					Slot 4: PCIe	full-height				
					3.0 x8 (low	half-length,				
					profile)	both 75W				

Server Model	Huawei RH2488H v5 (2U) 2 floors motherboard design	HPE DL560 G10 (2U)2 floors motherboard design	G10 (4U)2 floors	H3C R6900 G3 (4U)single layer motherboard design	Lenovo SR860 (4U)	(4U)Up to 8 servers can be	2 floors	Inspur NF8460 M5 (4U)	·	Sugon I840-G30
					Slot 5-7: Riser	Riser with 4x				
					card slots	PCIe 3.0 x8				
					(choices are	slots,				
					x8/x8/x8,	full-height				
					x8/x8/x8ML2	half-length, all				
					and	75W				
					x8/x16ML2)	Slot 5: PCle				
					Slot 8: PCIe	3.0 x16, low				
					2.0 x2 / 6 Gb	profile, 75W				
					SATA slot	Slot 6: PCle				
					reserved to	3.0 x16, low				
					M.2 adapter	profile, 75W				
					and drives	Slot 7: PCIe				
					Slot 9:	3.0 x8, low				
					Reserved for	profile, 75W				
					Ethernet LOM	Slot 8: PCle				
					phy adapter	3.0 x16 ML2,				
					Slot 10: PCIe	low profile				
					3.0 x8 (low	(supports				
					profile)	NC-SI)				
					Slot 11: PCIe	Slot 9: PCle				
					3.0 x8 (low	3.0 x8 LOM				
					profile)	adapter slot,				

Server Model	design	G10 (4U)2 floors	H3C R6900 G3 (4U)single layer motherboard design	(4U)	(4U)Up to 8 servers can be	2 floors	M5 (4U)	Inspur NF8480 M5 (4U, using single-floor motherboard design)	Sugon 1840-G30
				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) * Slots 3 and 13 are used as riser slots to eN/Able slots 1, 2, 14 and 15	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 half-length, 30W (no NC-SI support)				
					x16 slots, all				

Server	Model	Huawei	HPE DL560 G10	HPE DL580	H3C R6900 G3	Lenovo SR860	Lenovo SR950	Dell R940(3U)	Inspur NF8460	Inspur NF8480	Sugon
		RH2488H v5	(2U)2 floors	G10 (4U)2	(4U)single	(4U)	(4U)Up to 8	2 floors	M5 (4U)	M5 (4U, using	1840-G30
		(2U) 2	motherboard	floors	layer		servers can be	motherboard		single-floor	
		floors	design	motherboard	motherboard		upgraded	design		motherboard	
		motherboard		design	design		inside the 4U			design)	
		design					chassis				
						Tray.It is also	full-height				
						supported to	half-length,				
						have the PCIe	both 75W				
						Expansion	Riser 4x8:				
						Tray installed	Four PCle 3.0				
						with only one	x8 slots,				
						riser installed.	full-height				
						Forexample, it	half-length, all				
						is supported	75W				
						to have a riser	Slot 16-17 on				
						card in slot 3	a riser:				
						but not in slot	PCIe 3.0 x8				
						13; slot 13 can	low profile,				
						then be used	75W				
						as a PCIe x16	PCIe 3.0 x8				
						slot.	low profile,				
							75W				
GPU	GPU	3	2	4	2 DW, 4SW	Supports up to	Full-length	0	N/A	Max. 2 full	N/A
	Max					2 GPU	adapter cards			height full	
	Suppor					If 1 GPU is	such as			length	
	ted					installed, an	graphics				
	Blocks					1100W power	-				

Server	Model	Huawei RH2488H v5 (2U) 2 floors motherboard design	HPE DL560 G10 (2U)2 floors motherboard design	G10 (4U)2 floors	H3C R6900 G3 (4U)single layer motherboard design	Lenovo SR860 (4U)	(4U)Up to 8 servers can be	2 floors	Inspur NF8460 M5 (4U)	Inspur NF8480 M5 (4U, using single-floor motherboard design)	Sugon 1840-G30
						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	nVidia Tesla P4 single width	P2000 single width	P40/P6000	N/A	NVIDIA Tesla M60 GPU, PCIe (Passive)		N/A	N/A	P100	N/A
FPGA	FPGA Maxim um Suppor ted Blocks	0	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A
	FPGA model	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Hard drive	**	8 SAS/SATA hard disk	24 SFF/12 NVMe	48 SFF/20 NVMe	Front: 48 x 2.5" ,SATA/SAS	Supports up to 16 2.5-inch	Up to 24 2.5-inch	24*2.5"/12* NVMe	Supports 24 front hot plug	Supports up to 24 3.5"/2.5"	Supports up to 24 2.5" front

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Server	Model		HPE DL560 G10 (2U)2 floors motherboard design	G10 (4U)2 floors	H3C R6900 G3 (4U)single layer motherboard design	Lenovo SR860 (4U)	Lenovo SR950 (4U)Up to 8 servers can be upgraded inside the 4U chassis	2 floors	Inspur NF8460 M5 (4U)	Inspur NF8480 M5 (4U, using single-floor motherboard design)	Sugon 1840-G30
backpl	ng the	configuration:			/SSD,	SAS/SATA hot	SAS/SATA hot		mechanical or	front hot-swap	hot-plug
ane	maxim	Up to 8 front			20X NVMe SSD	plug hard	swap hard		SSD(U.2 NVMe	mechanical or	mechanical or
	um	2.5-inch				drives	drives		SSD), supports	solid state	solid state
	numbe	SAS/SATA				There are 2	(distributed		24 3.5-inch	drives and up	drives and up
	r of	hard drives				hard disk	on 6 hard		hard disks	to 12 U.2	to 12 U.2
	suppor	are				backboards to	drive			NVMe SSD	NVMe SSD
	ted	supported,				choose from:	backboards)			drives	drives
	hard	and 1 PCIe				8 SAS/SATA	There are two				
	disks)	RAID card is				hard disk	hard disk				
		required.				backboards (8	backboards to				
		This				2.5-inch	choose from:				
		configuration				SAS/SATA	a.SAS /SATA				
		can support				hard disks)	hard disk back				
		the front				8	panel				
		panel DVD				SAS/SATA+Any	(supports 4				
		built-in drive,				Bay hard drive	SAS/SATA				
		the default				backboards	hard disks)				
		support VGA				a. 8 2.5-inch	b. AnyBay				
		interface and				SAS/SATA	hard disk back				
		USB 3.0				hard drives	board				
		interface.				b. 4 2.5-inch	(supports 2				
		24 SAS/SATA				SAS/SATA	SAS/SATA/NV				
		hard disk				hard drives + 4	Me hard disks				

Server Model	Huawei RH2488H v5 (2U) 2 floors motherboard design	HPE DL560 G10 (2U)2 floors motherboard design	G10 (4U)2 floors motherboard	H3C R6900 G3 (4U)single layer motherboard design	Lenovo SR860 (4U)	(4U)Up to 8 servers can be	2 floors	Inspur NF8460 M5 (4U)	Inspur NF8480 M5 (4U, using single-floor motherboard design)	Sugon 1840-G30
	configuration: Up to 24				2.5-inch U.2 (NVMe) hard	+2 SAS/SATA hard disks)				
	front-facing				drives	ilaiu uisksj				
	2.5-inch				unves					
	SAS/SATA									
	drives are									
	supported,									
	requiring 3									
	PCIe RAID									
	CARDS, 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,									

Server	Model	RH2488H v5 (2U) 2 floors motherboard	HPE DL560 G10 (2U)2 floors motherboard design		layer	Lenovo SR860 (4U)	(4U)Up to 8 servers can be upgraded inside the 4U	2 floors	Inspur NF8460 M5 (4U)	Inspur NF8480 M5 (4U, using single-floor motherboard design)	Sugon 1840-G30
		requiring 1 PCIe RAID card.					chassis				
	Wheth er to suppor t hard disk hot swap	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	and quantit	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 SAS/SATA	24 SFF/12 NVMe	NVMe	Me 48 x 2.5"; 20 x NVMe;	2.5-inch 12Gbps SAS hard drive: 300GB 15K、 600GB 15K 900GB 10K、 600GB 10K、 900GB 10K、 1.2TB 10K、 1.8TB 10K 2.5-inch		SAS/SATA: 24*2.5''		NL-SAS; 2.5" SATA, SAS, NVMe;	2.5" SATA, SAS, NVMe; Max. 24 x 2.5" 12 x NVMe

Server Model	Huawei	HPE DL560 G10	HPE DL580	H3C R6900 G3	Lenovo SR860	Lenovo SR950	Dell R940(3U)	Inspur NF8460	Inspur NF8480	Sugon
	RH2488H v5	(2U)2 floors	G10 (4U)2	(4U)single	(4U)	(4U)Up to 8	2 floors	M5 (4U)	M5 (4U, using	1840-G30
	(2U) 2	motherboard	floors	layer		servers can be	motherboard		single-floor	
	floors	design	motherboard	motherboard		upgraded	design		motherboard	
	motherboard		design	design		inside the 4U			design)	
	design					chassis				
	hard drives				12Gbps	12Gbps				
					NL-SAS hard	NL-SAS hard				
					drive:	drive:				
					1TB 7.2K、2TB	1TB 7.2K、2TB				
					7.2K	7.2K				
					2.5-inch	2.5-inch				
					6Gbps SATA	6Gbps SATA				
					hard drive:	hard drive:				
					1TB 7.2K、2TB	1TB 7.2K、2TB				
					7.2K	7.2K				
					2.5-inch SSD	2.5-inch				
					hard drive:	SSDhard				
					SAS interface:	drive:				
					HUSMM32	SAS interface:				
					400GB、	HUSMM32				
					HUSMM32	400GB、				
					800GB、	HUSMM32				
					PM1635a	800GB、				
					400GB、	PM1635a				
					PM1635a	400GB、				
					800GB、	PM1635a				
					PM1633a	800GB、				
					3.84TB、	PM1633a				

RH2488H v5 (2U) 2	HPE DL560 G10 (2U)2 floors motherboard design	G10 (4U)2 floors	H3C R6900 G3 (4U)single layer motherboard design	Lenovo SR860 (4U)	(4U)Up to 8 servers can be	2 floors	Inspur NF8460 M5 (4U)	Inspur NF8480 M5 (4U, using single-floor motherboard design)	Sugon 1840-G30
				PX04PMB 1.6TB、U.2 PX04PMB 960GB、U.2 PX04PMB 1.92TB、U.2 PM963	480GB、Intel S3520 240GB、 Intel S3520 480GB、				

Server I		Huawei RH2488H v5 (2U) 2 floors motherboard design	HPE DL560 G10 (2U)2 floors motherboard design	G10 (4U)2 floors	H3C R6900 G3 (4U)single layer motherboard design	Lenovo SR860 (4U) PM963 3.84TB	(4U)Up to 8 servers can be upgraded inside the 4U chassis	2 floors	Inspur NF8460 M5 (4U)	1 -	Sugon 1840-G30
						PIVI905 5.041B	PM963 3.84TB				
Chassis	ions (cm)	fully	2U: 8.75 x 44.54 x 75.47cm	4U: 17.48 x 44.54 x 75.47cm	4U: (174.8Hx444W x807.4D)mm	4U Height: 175 mm (6.9 in) Width: 447	4U Height: 173 mm (6.8 in) Width: 447		4U	4U Height: 175.5 mm Width: 448 mm	4U Height: 175.5 mm Width: 447
						mm (17.6 in) Depth: 766 mm (30.1 in)	mm (17.6 in) Depth: 800 mm (31.5 in)			Depth: 812 mm	mm Depth: 793 mm
	Ventila tion metho d	Air-cooled	Forward wind	Wind after wind	Wind after wind	Wind after wind	Wind after wind	Wind after wind	Wind after wind	Wind after wind	Wind after wind
rature	ent operati	Operating temperature: 5° C ~ 45° C (41° F ~ 113° F)	Up to 5° -45°	Up to 5° -45°	N/A	A4: 5 °C - 45 °C (41 °F - 113 °F); for altitudes above 900 m (2,953 ft),	ASHRAE Class A4: 5 °C - 45 °C (41 °F - 113 °F); for altitudes above 900 m (2,953 ft), decrease the maximum	10°C to 35°C	N/A	Operating temperature: 5°C ~ 35°C	When it works: 5℃ ~40℃(

Server Model	Huawei	HPE DL560 G10	HPE DL580	H3C R6900 G3	Lenovo SR860	Lenovo SR950	Dell R940(3U)	Inspur NF8460	Inspur NF8480	Sugon
	RH2488H v5	(2U)2 floors	G10 (4U)2	(4U)single	(4U)	(4U)Up to 8	2 floors	M5 (4U)	M5 (4U, using	1840-G30
	(2U) 2	motherboard	floors	layer		servers can be	motherboard		single-floor	
	floors	design	motherboard	motherboard		upgraded	design		motherboard	
	motherboard		design	design		inside the 4U			design)	
	design					chassis				
					ambient	ambient				
					temperature	temperature				
					by 1 °C for	by 1 °C for				
					every 125-m	every 125-m				
					(410-ft)	(410-ft)				
					increase in	increase in				
					altitude	altitude				
					ASHRAE Class	ASHRAE Class				
					A3:5 ℃ -	A3:5 ℃ -				
					40 ℃ (41 ℉	40 °C (41 °F				
					- 104 °F); for	- 104 °F); for				
					altitudes	altitudes				
					above 900 m	above 900 m				
					(2,953 ft),	(2,953 ft),				
					decrease the	decrease the				
					maximum	maximum				
					ambient	ambient				
					temperature	temperature				
					by 1 °C for	by 1 °C for				
					every 175-m	every 175-m				
					(574-ft)	(574-ft)				
					increase in	increase in				
					altitude	altitude				

Server Mo	odel	Huawei	HPE DL560 G10	HPE DL580	H3C R6900 G3	Lenovo SR860	Lenovo SR950	Dell R940(3U)	Inspur NF8460	Inspur NF8480	Sugon
		RH2488H v5	(2U)2 floors	G10 (4U)2	(4U)single	(4U)	(4U)Up to 8	2 floors	M5 (4U)	M5 (4U, using	1840-G30
		(2U) 2	motherboard	floors	layer		servers can be	motherboard		single-floor	
		floors	design	motherboard	motherboard		upgraded	design		motherboard	
		motherboard		design	design		inside the 4U			design)	
		design					chassis				
						ASHRAE Class	ASHRAE Class				
						A2: 10 °C -	A2: 10 °C -				
						35 ℃ (50 °	35 ℃ (50 °				
						F - 95 °F); for	F - 95 °F); for				
						altitudes	altitudes				
						above 900 m	above 900 m				
						(2,953 ft),	(2,953 ft),				
						decrease the	decrease the				
						maximum	maximum				
						ambient	ambient				
						temperature	temperature				
						by 1 ℃ for	by 1 ° C for				
						every 300-m	every 300-m				
						(984-ft)	(984-ft)				
						increase in	increase in				
						altitude	altitude				
Ec	quipm	Operating	8% - 90%	8% - 90%	5°C∼45°C	ASHRAE Class	ASHRAE Class	10% to 80%	N/A	Operating	N/A
er	nt	humidity: 8%				A4: 8% - 90%	A4: 8% - 90%			humidity:	
w	orkin	RH to 90% RH				(non-condensi	(non-condensi			10% ~ 90%	
g		(non-condens				ng); maximum	ng); maximum			R.H.	
hu	umidi	ing)				dew point:	dew point:				
ty	,					24℃ (75 ℉)	24℃(75 ℉)				

Server	Model	Huawei	HPE DL560 G10	HPE DL580	H3C R6900 G3	Lenovo SR860	Lenovo SR950	Dell R940(3U)	Inspur NF8460	Inspur NF8480	Sugon
		RH2488H v5	(2U)2 floors	<u>G10 (4U)</u> 2	(4U)single	(4U)	(4U)Up to 8	2 floors	M5 (4U)	M5 (4U, using	1840-G30
		(2U) 2	motherboard	floors	layer		servers can be	motherboard		single-floor	
		floors	design	motherboard	motherboard		upgraded	design		motherboard	
		motherboard		design	design		inside the 4U			design)	
		design					chassis				
	range					ASHRAE Class	ASHRAE Class				
						A3: 8% - 85%	A3: 8% - 85%				
						(non-condensi	(non-condensi				
						ng); maximum	ng); maximum				
						dew point:	dew point:				
						24℃ (75 ℉)	24℃ (75 ℉)				
						ASHRAE Class	ASHRAE Class				
						A2: 8% - 80%	A2: 8% - 80%				
						(non-condensi	(non-condensi				
						ng); maximum	ng); maximum				
						dew point:	dew point:				
						21℃ (70 ℉)	21 ℃ (70 ℉)				
Hot-sw	Nomin	• 2000W AC	800W/1600W	800W/1600W	Optional up to	SR850/SR860	1100W	Platinum	Platinum level	550w (input	Optional
appabl	al	power			4	2S Power	Platinum	1100W, 1600W,	redundant hot	voltage: 100 V	550W/800W/1
e	power	module			800W/1200W/	Paddle (power	(230V/115V)	2000W, 2400W,	plug power	to 240 V AC or	200W high
power	of	(Note2)			1600W high	interposer)	Power Supply	336-380vdc	supply	192 V to 300 V	efficiency
supplie	single	• 1500W AC			efficiency	750W	1600W	1100W		DC)	platinum
s	power	power			redundant	(230V/115V)	Platinum	Gold class		800W (input	power supply
	supply	module			power supply,	Platinum	(230V) Power	48VDC 1100W		voltage: 100 V	can be
	(W)	(power			support or	Hot-Swap	Supply			to 240 V AC or	configured
		supply: 100V			240VDC/336V	Power Supply				192 V to 300 V	with N+N/N+M
		AC ~ 127V AC			DC	1100W				DC)	redundancy,

Server Model	RH2488H v5	HPE DL560 G10 (2U)2 floors	G10 (4U)2		Lenovo SR860 (4U)	(4U)Up to 8	2 floors	Inspur NF8460 M5 (4U)	' '	Sugon 1840-G30
	(2U) 2	motherboard	floors	layer		servers can be			single-floor	
	floors	design		motherboard			design		motherboard	
	motherboard		design	design		inside the 4U			design)	
	design					chassis				
	or 200V AC ~				(230V/115V)				1300W (input	compatible
	240V AC or				Platinum				voltage: 100 V	with 220V AC
	190V DC ~				Hot-Swap				to 240 V AC or	and
	300V DC)				Power Supply				192 V to 300 V	48V/240V/336
	• 900W AC				1600W (230V)				DC)	V DC
	power				Platinum				1600W (input	
	module				Hot-Swap				voltage: 100 V	
	(power				Power Supply				to 240 V AC or	
	supply: 100V				2000W (230V)				192 V to 300 V	
	AC ~ 240V AC				Platinum				DC)	
	or 190V DC ~				Hot-Swap					
	290V DC)				Power Supply					
	• 1200W DC									
	power									
	module									
	(power									
	supply:									
	-38.4V DC ~									
	-72V DC)									
Quant	it 2 1+1	1 to 2	4	4	2	4	2		4	4
У	redundant backup									

Server Model	Huawei RH2488H v5 (2U) 2 floors motherboard design	HPE DL560 G10 (2U)2 floors motherboard design	G10 (4U)2 floors motherboard	H3C R6900 G3 (4U)single layer motherboard design	Lenovo SR860 (4U)	(4U)Up to 8 servers can be	2 floors	Inspur NF8460 M5 (4U)	Inspur NF8480 M5 (4U, using single-floor motherboard design)	Sugon 1840-G30
Dual power mode	_	The main case/LB	The main case/LB	The main case/LB	1+1 redundancy	Power supplies are N+N redundancy, meaning that the server can continue operation even with two failed power supplies, or if the utility service that feeds two power supplies goes offline.		Redundancy	Redundancy	Redundancy
Input metho d	240V AC	100 - 127 VAC, 200 - 240 VAC, 240VDC (800W Platinum PS only)	VAC, 200 -	AC/HVDC	110V AC(750W、 1100W) 220V AC(750W、	110V AC (1100W) 220V AC (1100W, 1600W)	220VDC/48VDC /380HVDC/240 HVDC	Support HVDC	AC 240V HVDC/AC	AC 240V HVDC/A

Server Model		HPE DL560 G10		H3C R6900 G3			1	Inspur NF8460	Inspur NF8480	_
		(2U)2 floors			(4U)	(4U)Up to 8		M5 (4U)	' '	1840-G30
	(2U) 2		floors	layer		servers can be			single-floor	
		design		motherboard			design		motherboard	
	motherboard		design	design		inside the 4U			design)	
	design					chassis				
		200 - 240 VAC,	Platinum PS		1100W、	240V DC (not				
		240VDC(800W	only)		1600W、	supported)				
		Titanium PS	200 - 240		2000W)					
		only)	VAC, 240		240V					
		200 V to 277	VDC(1600W		DC(750W、					
		VAC, 380 VDC	PS only)		1100W、					
		(800W)			1600W、					
		Universal PS			2000W)					
		only)								
		-40 VDC to -72								
		VDC, -48 VDC								
		nomiN/Al input								
		(800W -48VDC								
		PS only)								
		200 - 240 VAC,								
		240 VDC for								
		ChiN/A only								
		(1600W PS								
		Only)								

Server	Model	Huawei RH2488H v5 (2U) 2 floors motherboard design	HPE DL560 G10 (2U)2 floors motherboard design	G10 (4U)2 floors motherboard	H3C R6900 G3 (4U)single layer motherboard design	Lenovo SR860 (4U)	(4U)Up to 8 servers can be	2 floors	Inspur NF8460 M5 (4U)	Inspur NF8480 M5 (4U, using single-floor motherboard design)	Sugon 1840-G30
PCI-E	Quantit	Up to 11 PCIe	8	16	16 PCIe 3.0	Support up to	Support up to	13	Up to 14	16 x PCle +1 x	Up to 14 PCIe
(I/O)	У	3.0 PCle			available slots	13 PCIE 3.0	17 PCIE 3.0		standard PCIe	ОСР	expansion
		expansion			(supports 4	slots	slots		slots can be		slots,
		slots are			full-width	Slot 1-2: Riser	Slots 1-4 are		supported		Contains:
		supported,			gpus)	card slots	via Riser Slot				5 PCle 3.0x16
		where:				(choice of	1, one riser				slots
		• 1 x4				x8/x8 or x16)	card of:				9 PCle 3.0x8
		interface				(FHFL)	Riser with 4x				slots
		(using x8 slot)				Slot 3: Riser	PCIe 3.0 x16				
		• 7 x8				slot to	slots, all				
		interfaces				eN/Able slots	full-height				
		• 3 x16				1 & 2 in the	half-length, all				
		interfaces				PCIe	75W				
						Expansion	Riser with 2x				
						Tray (PCIe 3.0	PCIe 3.0 x16				
						x16)*	slots, all				
						Slot 4: PCIe	full-height				
						3.0 x8 (low	half-length,				
						profile)	both 75W				
						Slot 5-7: Riser	Riser with 4x				
						card slots	PCIe 3.0 x8				
						(choices are	slots,				
						x8/x8/x8,	full-height				

Server Model	Huawei	HPE DL560 G10	HPE DL580	H3C R6900 G3	Lenovo SR860	Lenovo SR950	Dell R940(3U)	Inspur NF8460	Inspur NF8480	Sugon
	RH2488H v5	(2U)2 floors	G10 (4U)2	(4U)single	(4U)	(4U)Up to 8	2 floors	M5 (4U)	M5 (4U, using	1840-G30
	(2U) 2	motherboard	floors	layer		servers can be	motherboard		single-floor	
	floors	design	motherboard	motherboard		upgraded	design		motherboard	
	motherboard		design	design		inside the 4U			design)	
	design					chassis				
					x8/x8/x8ML2	half-length, all				
					and	75W				
					x8/x16ML2)	Slot 5: PCIe				
					Slot 8: PCIe	3.0 x16, low				
					2.0 x2 / 6 Gb	profile, 75W				
					SATA slot	Slot 6: PCle				
					reserved to	3.0 x16, low				
					M.2 adapter	profile, 75W				
					and drives	Slot 7: PCIe				
					Slot 9:	3.0 x8, low				
					Reserved for	profile, 75W				
					Ethernet LOM	Slot 8: PCle				
					phy adapter	3.0 x16 ML2,				
					Slot 10: PCle	low profile				
					3.0 x8 (low	(supports				
					profile)	NC-SI)				
					Slot 11: PCle	Slot 9: PCIe				
					3.0 x8 (low	3.0 x8 LOM				
					profile)	adapter slot,				
					Slot 12: PCle	low profile				
					3.0 x8 (low	(supports				
					profile)	NC-SI)				
					Slot 13: Riser	Slots 10-15				

Server Model	Huawei	HPE DL560 G10	HPE DL580	H3C R6900 G3	Lenovo SR860	Lenovo SR950	Dell R940(3U)	Inspur NF8460	Inspur NF8480	Sugon
	RH2488H v5	(2U)2 floors	G10 (4U)2	(4U)single	(4U)	(4U)Up to 8	2 floors	M5 (4U)	M5 (4U, using	1840-G30
	(2U) 2	motherboard	floors	layer		servers can be	motherboard		single-floor	
	floors	design	motherboard	motherboard		upgraded	design		motherboard	
	motherboard		design	design		inside the 4U			design)	
	design					chassis				
					slot to	are via Riser				
					eN/Able slots	Slot 2, one				
					14 & 15 in the	riser card of:				
					PCIe	Riser				
					Expansion	5x16+ML2				
					Tray (PCIe 3.0	Five PCle 3.0				
					x16)*	x16 slots, all				
					Slot 14-15:	full-height				
					Riser card	half-length, all				
					slots (choice	75W				
					of x8/x8 or	One PCle 3.0				
					x16) (FHFL)	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:				

Server	Model	Huawei	HPE DL560 G10	HPE DL580	H3C R6900 G3	Lenovo SR860	Lenovo SR950	Dell R940(3U)	Inspur NF8460	Inspur NF8480	Sugon
		RH2488H v5	(2U)2 floors	G10 (4U)2	(4U)single	(4U)	(4U)Up to 8	2 floors	M5 (4U)	M5 (4U, using	1840-G30
		(2U) 2	motherboard	floors	layer		servers can be	motherboard		single-floor	
		floors	design	motherboard	motherboard		upgraded	design		motherboard	
		motherboard		design	design		inside the 4U			design)	
		design					chassis				
							Four PCle 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	Quantit	Front panel	3 x USB 3.0	9	4 USB 3.0 (1	4: 2 front \ 2	4: 2 front(USB	5	N/A	2 x USB 3.0	4 USB 3.0 ports,
port	У	provides 2	(front);		front, 2 back, 1	rear	2.0)、2			(front);	located at the
		USB 2.0, 1 USB	2 x USB 3.0		built-in), 2 USB	Front: Two USB	rear(USB 3.0)			3 x USB 3.0	rear of the case,
		3.0	(rear);		2.0, support 2	2.0 ports or				(rear);	Optional
		Panel offers 2			MicroSD	one USB 2.0					support for 2
		USB 3.0			extensions	and one USB					USB ports
						3.0 port;					
						Rear: Two USB					
						3.0 ports;					

Server I		RH2488H v5 (2U) 2	HPE DL560 G10 (2U)2 floors motherboard design	G10 (4U)2 floors motherboard	(4U)single layer	Lenovo SR860 (4U)	Lenovo SR950 (4U)Up to 8 servers can be upgraded inside the 4U chassis	2 floors	Inspur NF8460 M5 (4U)	'	Sugon 1840-G30
Out-of	Yes or	Yes	Yes	Yes	Yes	Yes	Yes	Yes	N/A	Yes	Yes
band	No										
nanag	The	UEFI	HPE iLO	HPE iLO	HDM has no	XClarity	XClarity	IPMI 2.0	N/A	Embedded	N/A
ment	main	іВМС	Standard with	Standard with	agent	Controller	Controller	compliant		intelligent	
	functio	Adopt	smart	smart	management	(XCC)	(XCC)	IDRAC9 with life		server	
	n	independent	configuration	configuration	tools (with	Advanced	Enterprise	cycle controller		management	
		interface,	(embedded),	(embedded),	independent	Optionally	Support	(Express		chip, support IP	
		support	HPE OneView	HPE OneView	management	upgrade to	Mobile	edition,		2.0 and Redfish	
		SNMP, IPMI,	Standard	Standard	port) and H3C	Enterprise by	management	Enterprise		management	
		provide GUI,	(download	(download	FIST	Features on	function	edition)		mode.Complet	
		virtual KVM,	required)	required)	management	Demand (FoD)	(Xclarity	Optional Quick		e remote	
		virtual media,	(Standard), HPE	(Standard),	software	Support	Mobile App+	Sync 2 wireless		system	
		SOL,	iLO Advanced、	HPE iLO		Mobile	USB interface	module		monitoring,	
		intelligent	HPE iLO	Advanced、		management	connection),			remote KVM,	
		power supply,	Advanced	HPE iLO		function	Mobile App			virtual media	
		remote	Premium	Advanced		(Xclarity	supports			and other	
		control,	Security Edition	Premium		Mobile App+	Android or iOS			management	
		hardware	and HPE	Security		USB interface				functions.Wave	
		monitoring	OneView	Edition and		connection),				's Power	
		and other	Advanced	HPE OneView		Mobile App				management	
		features.	(optional)	Advanced		supports				technology can	
		Support for		(optional)		Android or iOS				help users to	

erver Model	Huawei RH2488H v5 (2U) 2 floors motherboard design	HPE DL560 G10 (2U)2 floors motherboard design	G10 (4U)2 floors	H3C R6900 G3 (4U)single layer motherboard design	(4U)	(4U)Up to 8 servers can be	2 floors	Inspur NF8460 M5 (4U)	Inspur NF8480 M5 (4U, using single-floor motherboard design)	Sugon 1840-G30
	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								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	

Server Model Huawei RH2488H (2U) 2 floors motherbo	motherboard design	G10 (4U)2 floors	H3C R6900 G3 (4U)single layer motherboard design	(4U)	(4U)Up to 8 servers can be	2 floors	M5 (4U)	single-floor motherboard design)	Sugon 1840-G30
								efficiency of the overall IT architecture.Su pport 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.Embedde d oscilloscope technology,	

Server Mod	del Huawei RH2488H v5 (2U) 2 floors motherboard design	design	G10 (4U)2 floors	H3C R6900 G3 (4U)single layer motherboard design	Lenovo SR860 (4U)	Lenovo SR950 (4U)Up to 8 servers can be upgraded inside the 4U chassis	2 floors	Inspur NF8460 M5 (4U)	Inspur NF8480 M5 (4U, using single-floor motherboard design)	Sugon 1840-G30
									detection of server hardware key signal state, save state jump, can help engineers to solve the problem.	
Energy Yes manag No ement		Yes	Yes	N/A	Yes : Xclarity Energy MaN/Ager	Yes: Xclarity Energy MaN/Ager	Yes	N/A	N/A	N/A
System coo fan	oling N'A	6 hot plug fans, support N+1 redundancy	12	12 N+1 redundant hot plug fans	6 hot plug fans, support N+1 redundancy	12 hot plug fans, support N+1 redundancy	Wind deflector plate, vector heat dissipation	N/A	4 hot plug fans, support N+1 redundancy	4 fan modules
LCD display	Only fault diagnosis digital tube	Systems Insight Display	Systems Insight Display	N/A	Yes	Yes	Optional	N/A	Yes	N/A
Host front panel with keyhole an		Yes	Yes	N/A	Support, optional Lockable front	N/A	Yes	N/A	N/A	N/A

Server Model	Huawei RH2488H v5 (2U) 2 floors motherboard design	HPE DL560 G10 (2U)2 floors motherboard design	G10 (4U)2 floors motherboard	H3C R6900 G3 (4U)single layer motherboard design	(4U)	(4U)Up to 8 servers can be	2 floors	Inspur NF8460 M5 (4U)	· ·	Sugon 1840-G30
key					security bezel					
Other	Safety			N/A	Lenovo		Cryptographicall	IMD enhanced	N/A	N/A
	characteristic				AnyBay is a		<i>'</i>	memory		
	S				1	•	, i	protection		
	Add electric				1 ' ''		Hardware Root			
	password				allows a		of Trust; Secure	BMC dual ROM		
	Administrator				choice of drive	choice of drive	Boot; System	redundancy		
	password				interface	interface	Lockdown;	recoverable		
	TPM 2.0				types in the	types in the	System Erase;	technology,		
	Safe launch				same drive	same drive	OpenMaN/Age	DSFI depth		
	Safety panel				bay: SAS	bay: SAS	connections:	system error		
					drives, SATA	drives, SATA	N/Agios &	insight, and a		
					drives, or U.2	drives, or U.2	N/Agios	new generation		
					NVMe PCle	NVMe PCle	XI,Oracle	of LIDS optical		
					drives.	drives.	Enterprise	path diagnosis		
							MaN/Ager, HP	system		
							Operations			
							MaN/Ager,			
							IBM Tivoli			
							Netcool/OMNIb			
							us, IBM Tivoli®			
							Network			

Server Model	Huawei	HPE DL560 G10	HPE DL580	H3C R6900 G3	Lenovo SR860	Lenovo SR950	Dell R940(3U)	Inspur NF8460	Inspur NF8480	Sugon
	RH2488H v5	(2U)2 floors	<u>G10 (4U)</u> 2	(4U)single	(4U)	(4U)Up to 8	2 floors	M5 (4U)	M5 (4U, using	1840-G30
	(2U) 2	motherboard	floors	layer		servers can be	motherboard		single-floor	
	floors	design	motherboard	motherboard		upgraded	design		motherboard	
	motherboard		design	design		inside the 4U			design)	
	design					chassis				
							MaN/Ager, CA			
							Network and			
							Systems			
							MaN/Agement			

Related Sources

Learn More about the server comparisons of HPE and competitors:

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

Huawei FusionServer X6000, XH321 v5 VS Servers of HPE, Lenovo, Dell and Inspur

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