

Huawei FusionServer



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Driven by the trends of big data and cloud computing, Huawei FusionServer has launched a wide variety of servers, covering rack servers, blade servers, and high-density servers, and provided virtualization, databases, and HPC solutions to help customers to build agile and competitive IT infrastructures.

Solution	FusionCube	Web Analytics	HPC	RISC Migration	SAP HANA	Microsoft SQL Server	
							
Rack Server	8U 8S	4U 4S		1U 2S			
	 RH8100 V3	 RH5885H V3	 RH5885 V3	 RH1288 V3	 RH1288A V2	 RH1288 V2	
	2U 2S					2U 4S	
	 RH2288H V3	 RH2288 V3	 RH2288A V2	 RH2288H V2	 RH2285H V2	 RH2485 V2	
Blade Server	E9000	4S blade		2 x 2S blade	2S blade		
	 12U, 8/16/32 blades	 CH242 V3	 CH240	 CH140 V3	 CH222 V3	 CH220 V3	 CH121 V3
	E6000	4S blade		2S blade			
	 8U, 10 blades	 BH640 V2	 BH622 V2	 BH620 V2			
High Density Server	X6800	2S full-height		X8000	1S half-width	2S half-width	2S 1/4-width
	 4U, multi-node	 XH622 V3	 XH628 V3	 44U, 40/80 nodes	 DH310 V2	 DH320 V2	 DH321 V2
	X6000	2S half-width			2S full-width		
	 2U, 2/4 nodes	 XH320 V2			 XH321 V2		 XH621 V2

Mission-Critical Server

The RH5885H V3 is a standard 4U 4-socket rack server and supports Intel® Xeon® E7-4800 v2/E7-8800 v2 processors. To meet the requirements of mission-critical applications such as databases, virtualization, business intelligence (BI), and high-performance computing (HPC), the RH5885H V3 provides up to 60 computing cores and a memory capacity of up to 6 TB.

The RH8100 V3 is a brand-new server, supporting up to eight Intel® Xeon® E7-8800 v2 series processors. RH8100 V3 applies the leading architecture, provides advanced computing and expanding capabilities. Up to 60 RAS features ensure the system stability and reliability. For mission-critical applications, either single instance database or cluster of multiple 8-socket servers, RH8100 V3 is the best choice.

Product	RH5885H V3	RH8100 V3
Photo		
Form factor	4U rack server	8U rack server
Number of processors	2 or 4	8 or 4
Processor	Intel® Xeon® E7-4800 v2/E7-8800 v2 series	Intel® Xeon® E7-8800 v2 series
Memory	96 DDR3 DIMMs	192 DDR3 DIMMs
Internal storage	8 or 23 x 2.5" SAS/SATA HDDs or SSDs	12 or 24 x 2.5" SAS/SATA HDDs or SSDs
RAID support	RAID 0, 1, 10, 5, 50, 6, and 60	
LOM	2 GE ports or 4 GE ports or 2 10GE ports	8 GE ports or 4 10GE ports
Expansion slot	Up to 16 PCIe slots	
USB port	6 (front: 2; rear: 2; built-in: 2)	
Fan module	5 hot-swappable, counter-rotating fan modules in N+1 redundancy mode	8 hot-swappable fan modules, N+1 redundant
PSU	Hot-swappable, redundant PSUs	4 hot-swappable PSUs
Management	Provides independent ports, supports SNMP and IPMI, and provides the GUI, remote KVM, virtual media, SOL, intelligent power supply, remote control, and hardware monitoring.	Uses the Huawei Hi1710 management chip, supports SNMP and IPMI, provides comprehensive management functions, such as the GUI, remote KVM, virtual media, SOL, predictive failure analysis (PFA), intelligent power supply, remote control, and hardware monitoring, and integrates a touch LCD diagnose panel.
Operating systems supported	Microsoft Windows Server, Red Hat Enterprise Linux, SUSE Linux Enterprise Server, Citrix XenServer, VMware, Huawei FusionSphere	
Power supply	110 V/220 V AC or -48 V DC	
Operating temperature	5°C – 40°C	

RH5885H V3 Rack Server Highlights

Fault-tolerant design to ensure stable system operation

- 53 RAS features, full redundancy and hot swap maintenance are supported for key components to ensure stable system operation.
- Enhanced fault diagnosis and recovery mechanisms, minimizing unplanned downtime.

Doubled the performance compared with a previous generation product

- Supports four Intel® Xeon® E7-4800 v2/E7-8800 v2 processors and a maximum memory capacity of 6 TB, which meets large memory requirements for virtualization.
- Supports up to four dual-slot GPUs and Huawei ES series PCIe solid-state drives (SSDs) to improve computing performance.

Ease of maintenance, without opening the chassis

- Key components, such as PCIe slots, PSUs, fan modules, and hard disks.
- A diagnosis panel facilitates fault location, which reduces the time required to rectify faults.

RH8100 V3 Rack Server Highlights

Optimal choice for mission-critical applications and substitute for UNIX Server with high stability and reliability

- 60 RAS features, comprehensive reliability, availability, and serviceability, providing guarantee for enterprises' mission-critical applications.
- Huawei FusionPar technology enables the RH8100 to be used as two 4-socket servers, meeting services requirements.

Superb performance and expansion capability

- Up to eight Intel® Xeon® E7-8800 v2 series processors with up to 120 computing cores, and 192 DIMMs slots supporting up to 12 TB memory.
- ULLtraDIMM technology reduces the latency by more than 50% compared with PCIe Flash.

Modular design facilitating maintenance and smooth upgrades

- Easy-to-maintain modular design, supporting smooth upgrades of processors and memory.
- High-speed I/O design, supporting next-generation 40G and 100G Ethernet and meeting requirements for big data requiring high bandwidth.

4S Rack Server

The RH2485 V2 is a new-generation 4-socket rack server in a compact 2U chassis. Powered by Intel® Xeon® E5-4600 v2 series processors, it provides up to 48 computing cores, which offers excellent computing performance as well as the flexible I/O expandability. With an optimized non-stacking mechanical design, it is convenient to maintain the memory modules and processors. The RH2485 V2 is suitable for memory-intensive applications such as enterprise databases, virtualization, and high-performance computing.

The RH5885 V3 is a standard 4U 4-socket rack server and supports Intel® Xeon® E7-4800 v2/E7-8800 v2 processors. To meet the requirements of mission-critical applications such as databases, business intelligence (BI), and virtualization, the RH5885 V3 provides up to 60 computing cores and supports flexible configurations for processors, DIMMs, I/O, and hard disks, achieving optimal cost effectiveness.

Product	RH2485 V2	RH5885 V3
Photo		
Form factor	2U rack server	4U rack server
Number of processors	2 or 4	2 or 4
Processor	Intel® Xeon® E5-4600 v2 series	Intel® Xeon® E7-4800 v2/E7-8800 v2 series
Memory	48 DDR3 DIMMs	
Internal storage	8 x 2.5" hot-swappable SAS/SATA HDDs or SSDs	8 or 23 x 2.5" SAS/SATA HDDs or SSDs
RAID support	RAID 0, 1, 10, 5, 50, 6, and 60	
LOM	4 GE ports	2 GE ports or 4 GE ports or 2 10GE ports
Expansion slot	Up to 8 PCIe slots (same for 2 or 4 processors)	Up to 7 PCIe slots
USB port	6 (front: 2, rear: 2, built-in: 2)	5 (front: 2; rear: 2; built-in: 1)
PSU	2 hot-swappable 1200 W 80 PLUS Platinum PSUs, 1+1 redundant	2 or 4 hot-swappable, redundant PSUs
Management	Provides independent ports, supports SNMP and IPMI, and provides the GUI, remote KVM, virtual media, SOL, intelligent power supply, remote control, and hardware monitoring.	
Operating systems supported	Microsoft Windows Server, Red Hat Enterprise Linux, SUSE Linux Enterprise Server, Citrix XenServer, VMware, Huawei FusionSphere	
Power supply	110 V/220 V AC	110 V/220 V AC or -48 V DC
Operating temperature	5°C to 40°C	

RH2485 V2 Rack Server Highlights

High performance, large Memory, flexible I/O expansion

- Uses Intel® Xeon® E5-4600 v2 series processors and supports 48 DIMMs, providing a memory capacity of up to 1.5 TB.
- Provides up to 8 PCIe 3.0 slots to accommodate multiple PCIe cards.

High energy efficiency

- Complies with ENERGY STAR® standards and passes the Energy Conservation and Environmentally Friendly Certification.
- Multiple temperature sensors monitor the temperatures of key components and dynamic power capping technology controls the maximum power consumption.

Simple management and maintenance

- Supports the black box function to facilitate quick fault location and service recovery.
- Implements simple system management by using the built-in iBMC, which supports SOL and remote KVM, startup, and shutdown.

RH5885 V3 Rack Server Highlights

High reliability with fault-tolerant technologies

- Chip-level fault-tolerant features, such as automatic recovery for processors and links, ensure stable system operation.
- Memory mirroring and memory sparing prevent system shutdown caused by memory hardware faults.

Strong processing capabilities for optimal cost effectiveness

- Supports four Intel® Xeon® E7-4800 v2/E7-8800 v2 processors. The overall performance is increased by 100% compared with the previous-generation product.
- Configured with Huawei ES series PCIe solid-state drives (SSDs), the RH5885 V3 provides excellent I/O performance, eliminating disk performance bottlenecks.

Flexible expansion to fit various application scenarios

- Supporting PCIe 3.0, the RH5885 V3 offers a data throughput rate of 8 Gbit/s, with a rate increase of 60% compared with PCIe 2.0.
- Supports eight or twenty-three 2.5" hard disks, which allows flexible configuration of the local storage capacity. This applies to distributed databases and big data analysis.

2U 2S Rack Server

It supports up to two Intel® Xeon® E5 series processors and 24 memory slots, allowing flexible hard disk configuration and high PCIe scalability. It is an ideal choice

Product	RH2288H V3	RH2288 V3
Photo		
Form factor	2U rack server	
Number of processors	1 or 2	
Processor	Intel® Xeon® E5-2600 v3 series	
Memory	24 DDR4 DIMMs	16 DDR4 DIMMs
Internal storage	<p>Supports the following hard disk configurations:</p> <ul style="list-style-type: none"> • Eight front 2.5-inch SSDs or SAS or SATA HDDs • Ten front 3.5-inch SATA HDDs • Twelve front 3.5-inch SAS or SATA HDDs and two rear hard disk modules. Each module provides two 2.5-inch SSDs or SAS or SATA HDDs or 3.5-inch SAS or SATA HDDs. • Twenty-five front 2.5-inch SSDs or SAS or SATA HDDs and two or three rear 2.5-inch SSDs or SAS or SATA HDDs <p>Supports built-in storage:</p> <ul style="list-style-type: none"> • Dual Mini SSDs (SATA DOM) • Dual SD card 	<p>Supports the following hard disk configurations:</p> <ul style="list-style-type: none"> • Eight front 2.5-inch SSDs or SAS or SATA HDDs • Ten front 3.5-inch SATA HDDs • Twelve front 3.5-inch SAS or SATA HDDs and two rear hard disk modules. Each module provides two 2.5-inch SSDs or SAS or SATA HDDs or 3.5-inch SAS or SATA HDDs. • Twenty-five front 2.5-inch SSDs or SAS or SATA HDDs and two or three rear 2.5-inch SSDs or SAS or SATA HDDs
RAID support	RAID 0, 1, 10, 5, 50, 6, and 60	
LOM	2 GE ports or 4 GE ports or 2 10GE ports	
Expansion slot	Up to 9 PCIe slots	Up to 6 PCIe slots
Fan module	Hot-swappable counter-rotating fan modules in N+1 redundancy mode	
PSU	2 hot-swappable 1+1 redundant PSUs	
Management	Built-in iBMC, supporting Huawei eSight management software, IPMI, SOL, KVM over IP, and virtual media One RJ45 management network port	
Operating systems supported	Uses the Huawei Hi1710 management chip, supports SNMP and IPMI, provides comprehensive management functions, such as the GUI, remote KVM, virtual media, SOL, predictive failure analysis (PFA), intelligent power supply, remote control, and hardware monitoring, and integrates a touch LCD diagnose panel.	Uses the Huawei Hi1710 management chip, supports SNMP and IPMI, and provides comprehensive management functions, such as the GUI, remote KVM, virtual media, SOL, predictive failure analysis (PFA), intelligent power supply, remote control, and hardware monitoring.
Power supply	110V/220V AC 240V/380V DC -48V DC	
Operating temperature	5°C - 45°C	

RH2288H V3 Rack Server Highlights

High performance allows rapid respond to business growth

- Supports two Intel® Xeon® E5-2600 v3 series processors.
- Provides a maximum of 16 x 3.5-inch hard disks or 28 x 2.5-inch hard disks.
- Supports up to 9 PCIe slots and two dual-slot high-performance GPUs, offering extraordinary floating-point arithmetic capability.

Efficient management and maintenance

- Provides a touchscreen liquid crystal display (LCD) to facilitate equipment operation and management.
- Uses an independent iBMC module to implement Serial over LAN (SOL), remote KVM, and functions such as remote startup and shutdown of the server.

RH2288 V3 Rack Server Highlights

High performance

- Supports two Intel® Xeon® E5-2600 v3 series processors and 16 DDR4 DIMMs.
- Copes with big data challenges by supporting the latest 12G SAS, which provides 1x higher bandwidth than the 6G SAS.

Flexible scalability

- Provides 6 PCIe slots, facilitating high-availability I/O expansion.
- Supports up to 16 x 3.5-inch HDDs or 28 x 2.5-inch HDDs, meeting large local storage capacity requirements.

for Internet, big data, enterprise key applications, cloud computing, HPC, and telecom applications.

RH2288A V2		RH2288H V2		RH2285H V2	
					
2U rack server					
1 or 2					
Intel® Xeon® E5-2600 v2 series				Intel® Xeon® E5-2400 v2 series	
8 DDR3 DIMMs		24 DDR3 DIMMs		12 DDR3 DIMMs	
Options:					
<ul style="list-style-type: none"> • 8 x 2.5" SAS/SATA HDDs or SSDs • 12 x 3.5" SAS/SATA HDDs and 2 x 2.5" SAS/SATA HDDs or SSDs • 26 x 2.5" SAS/SATA HDDs or SSDs 					
RAID 0, 1, 10, 5, 50, 6, and 60					
2 GE ports		2 GE ports or 4 GE ports or 2 10GE ports			
Up to 6 PCIe slots		Up to 7 PCIe slots		Up to 6 PCIe slots	
Hot-swappable counter-rotating fan modules in N+1 redundancy mode					
2 hot-swappable 1+1 redundant PSUs					
Built-in iBMC, supporting Huawei eSight management software, IPMI, SOL, KVM over IP, and virtual media One RJ45 management network port					
Uses the Huawei Hi1710 management chip, supports SNMP and IPMI, and provides comprehensive management functions, such as the GUI, remote KVM, virtual media, SOL, predictive failure analysis (PFA), intelligent power supply, remote control, and hardware monitoring.		Provides independent ports, supports SNMP and IPMI, and provides the GUI, remote KVM, virtual media, SOL, intelligent power supply, remote control, and hardware monitoring.			
110V/220V AC		110V/220V AC -48V DC			
5°C - 35°C		5°C - 40°C			

RH2288A V2 Rack Server Highlights

Outstanding computing performance

- Supports one or two Intel® Xeon® E5-2600 v2 series processors.

Energy efficiency

- Efficient 80 Plus® Platinum PSUs comply with Energy Star standards.
- Dynamic energy-saving and power-capping technologies limit server power consumption to a preset threshold, improving overall energy efficiency.

Simple management and maintenance

- Supports the black box function to facilitate quick fault location and service recovery.

RH2288H V2 Rack Server Highlights

Superb performance and flexible scalability

- Supports two Intel® Xeon® E5-2600 v2 series processors.
- Supports high-performance GPUs and PCIe SSD cards, improving graphics processing and application acceleration.

Flexible and high reliability local storage

- Provides three storage configuration options to meet requirements of various applications.
- Uses industry-leading RAID technology, and provides the Trusted Platform Module (TPM) and embedded black box.

RH2285H V2 Rack Server Highlights

High performance enriches service applications

- Supports two Intel® Xeon® E5-2400 v2 series processors and 12 DDR3 DIMMs.

Flexible scalability supports application acceleration

- Provides 6 PCIe slots, facilitating high-availability I/O expansion.

Large capacity and high reliability enhance application stability

- Provides a storage capacity of up to 50.2 TB, meeting large local storage capacity requirements.
- Uses the industry-leading RAID technology, and provides the Trusted Platform Module (TPM) and embedded black box.

1U 2S Rack Server

It supports up to two Intel® Xeon® E5 series processors and a maximum internal storage capacity of 16 TB, achieving optimal balance of performance and density. It is an ideal choice for applications of enterprise IT, data centers, and cloud computing.

Product	RH1288 V2	RH1288A V2	RH1288 V3
Photo			
Form factor	1U rack server		
Number of processors	1 or 2		
Processor	Intel® Xeon® E5-2600 v2 series		Intel® Xeon® E5-2600 v3 series
Memory	24 DDR3 DIMMs	8 DDR3 DIMMs	16 DDR4 DIMMs
Internal storage	Options: • 8 x 2.5" SAS/SATA HDDs or SSDs • 4 x 3.5" SAS/SATA HDDs		Supports two types of hard disk configurations: • Eight 2.5-inch SSDs or SAS or SATA HDDs • Four 3.5-inch SAS or SATA HDDs Supports built-in storage: • Dual Mini SSDs (SATA DOM) • Dual SD card
RAID support	RAID 0, 1, 10, 5, 50, 6, and 60		
LOM	2 GE ports or 4 GE ports or 2 10GE ports	2 GE ports	2 GE ports or 4 GE ports or 2 10GE ports
Expansion slot	Up to 3 PCIe slots		
Fan module	Counter-rotating fan modules in N+1 redundancy mode		
PSU	2 hot-swappable 1+1 redundant PSUs		
Management	Built-in iBMC, supporting Huawei eSight management software, IPMI, SOL, KVM over IP, and virtual media One RJ45 management network port		
Operating systems supported	Provides independent ports, supports SNMP and IPMI, and provides the GUI, remote KVM, virtual media, SOL, intelligent power supply, remote control, and hardware monitoring.	Uses the Huawei Hi1710 management chip, supports SNMP and IPMI, and provides comprehensive management functions, such as the GUI, remote KVM, virtual media, SOL, predictive failure analysis (PFA), intelligent power supply, remote control, and hardware monitoring.	
Power supply	110 V to 220 V AC -48 V DC		110 V to 220 V AC 240 V to 380 V DC -48 V DC
Operating temperature	5°C to 35°C		5°C to 45°C

RH1288 V2 Rack Server Highlights

Excellent performance and flexible scalability

- Supports Intel® Xeon® E5-2600 v2 series processors.
- Meets requirements for memory-intensive applications by providing 24 DDR3 DIMMs slots.

High energy efficiency

- Uses highly efficient 80 Plus Platinum PSUs and has passed the ENERGY STAR Certificate.
- Adopts dynamic power capping to control the preset power consumption, preventing service interruption.

Simple management and maintenance

- Supports the black box function to facilitate quick fault location and service recovery.

RH1288A V2 Rack Server Highlights

Outstanding computing performance

- Employs one or two Intel® Xeon® E5-2600 v2 series processors with up to 10 cores per processor

High energy efficiency

- Uses highly efficient 80 Plus Platinum PSUs and has passed the ENERGY STAR Certificate.
- Adopts dynamic power capping to control the preset power consumption, preventing service interruption.

Simple management and maintenance

- Supports the black box function to facilitate quick fault location and service recovery.

RH1288 V3 Rack Server Highlights

High performance

- Supports Intel® Xeon® E5-2600 v3 series processors.

High energy efficiency

- Uses highly efficient 80 Plus Platinum PSUs and has passed the China Energy Conservation Certificate.
- Uses power capping to limit the maximum server power consumption to a specified level and to improve the utilization of servers.

Convenient management

- Uses an independent iBMC module to implement Serial over LAN (SOL), remote KVM, and functions such as remote server startup and shutdown.

E9000 Blade Server

The E9000 is a new-generation blade server that integrates computing, storage, switching, and management subsystems to form a powerful converged infrastructure platform. The E9000 is an industry-leading hardware computing platform that improves competitiveness based on its availability, computing density, energy consumption, low emissions, midplane bandwidth, intelligent management and services, elastic configuration, flexible computing and storage expansion capabilities, low network latency, and acceleration functions. The E9000 integrates computing, storage, and networking resources to meet carriers' and enterprises' requirements for high-end core applications such as private clouds and high-performance computing.

Product	E9000 Chassis
Photo	
Form factor	12U
Blade	16 half-width slots or 8 full-width slots; supports flexible configurations of single-slot, dual-slot, full-width, and half-width nodes and can accommodate up to 16 Huawei CH series half-width compute nodes
Switch module	4 slots for Huawei CX series switch modules provide a midplane switching capability of 15.6 Tbit/s. CX110 GE switch module: 12 x GE + 4 x 10GE uplink, 32 x GE downlink CX111 GE switch module: 12 x GE+4 x 10GE uplink, 32 x GE downlink CX116 GE pass through module: 32 x GE uplink, 32 x GE downlink CX210 8G FC switch module: 8 x 8G FC uplink, 16 x 8G FC downlink CX310 10GE switch module: 16 x 10GE uplink, 32 x 10GE downlink CX311 10GE/FCoE converged switch module: 16 x 10GE + 8 x 8G FC uplink, 32 x 10GE downlink CX317 10GE pass through module: 32 x 10GE uplink, 32 x 10GE downlink CX611 InfiniBand switch module (QDR 40Gbit/s, FDR 56Gbit/s): 18 x QDR/FDR uplink, 16 x QDR/FDR downlink CX710 40GE switch module: 8 x 40GE uplink, 16 x 40GE downlink CX911/CX912 multi-plane switch module; supports FC ports: 16 x 10GE + 8 x 8G FC uplink, 32 x 10GE/16 x 8G FC downlink CX915 multi-plane switch module: 4 x 10GE+12 x GE+8 x 8G FC uplink, 32 x GE+16 x 8G FC downlink
PSM	AC/DC PSM: Maximum six 3000W/2000W AC or six 2500W DC hot-swappable PSUs, N+N or N+M redundant
Fan module	Provides 14 hot-swappable fan modules in N+1 redundancy mode
Management	Uses the HMMs in 1+1 redundancy mode, supports SNMP and IPMI, and provides comprehensive management functions, such as the GUI, remote KVM, virtual media, SOL, remote control, hardware monitoring, intelligent power supply, and historical power consumption. Provides value-added management features, such as multi-chassis cascading management, network configuration over the GUI, and stateless computing.
Power supply	110 V/220 V AC or -48 V DC
Operating temperature	5°C to 40°C

Product	Photo	Network Port	Network Feature	Management Port
CX110 GE switch module		12 x GE +4 x 10GE SFP+ uplink 32 x GE downlink 2 x 40GE Interconnect(can be used as a stack)	L2: VLAN/MSTP/LACP/TRILL/Stack/IGMP L3: RIP/OSPF/ISIS/BGP/RRP/BFD/PIM QoS: ACL/CAR/ DiffServ Security: IPSG/MFF/DAI /DHCP Snooping	2 x RS232 management serial ports (one each for services and management)
CX111 GE switch module		4 x 10GE SFP+ and 12 x GE uplink 32 x GE downlink	L2: VLAN/MSTP/LACP/Stack/IGMP/Smart Link/Monitor Link L3: RIP/OSPF/ISIS/BGP/RRP/BFD/PIM/IPV6 QoS: ACL/CAR/DiffServ Security: IPSG/MFF/FSB/DAI/DHCP Snooping/sFlow/Netstream	2 x RS232 management serial ports (one each for services and management)
CX116 GE pass through module		32 x GE uplink 32 x GE downlink	/	/
CX210 8G FC switch module		8 x 8G FC SFP+ uplink 16 x 8G FC downlink	FC: Brocade FC switch integrated	2 x RS232 management serial ports (one each for services and management)
CX310 10GE converged switch module		16 x 10GE uplink 32 x 10GE downlink	L2: VLAN/MSTP/LACP/TRILL/Stack/IGMP/Smart Link/Monitor Link L3: RIP/OSPF/ISIS/BGP/RRP/BFD/PIM/IPV6 QoS: DCBX/PFC/ETS/ACL/CAR/DiffServ Security: IPSG/MFF/FSB/DAI/DHCP Snooping/sFlow/Netstream	2 x RS232 management serial ports (one each for services and management)
CX311 10GE/FCoE converged switch module		16 x 10GE SFP+ and 8 x 8G FC SFP+ uplink; 32 x 10GE downlink	L2: VLAN/MSTP/LACP/TRILL/Stack/IGMP/Smart Link/Monitor Link L3: RIP/OSPF/ISIS/BGP/RRP/BFD/PIM/IPV6 QoS: DCBX/PFC/ETS/ACL/CAR/DiffServ Security: IPSG/MFF/FSB/DAI/DHCP Snooping/sFlow/Netstream	2 x RS232 management serial ports (one each for services and management)

Product	Photo	Network Port	Network Feature	Management Port
CX317 10GE pass through module		32 x 10GE uplink 32 x 10GE downlink	/	/
CX611 Infiniband QDR/FDR switch module		18 QDR/FDR InfiniBand QSFP+ uplink 16 QDR/FDR InfiniBand downlink	Multicast forwarding and replication/load balancing/re-route around failed link/VL/SL to VL mapping/SM/SMA/Low latency forwarding/credit based flow control	In-band management
CX710 40GE switch module		8 x 40GE QSFP+ uplink, among which 6*40GE uplink ports can be converted into four 10GE ports respectively 16 x 40GE downlink, each port can be converted into two 10GE ports	L2: VLAN/MSTP/LACP/TRILL/Stack/IGMP/Smart Link/Monitor Link L3: RIP/OSPF/ISIS/BGP/RRP/BFD/PIM/IPV6 QoS: DCBX/PFC/ETS/ACL/CAR/DiffServ Security: IPSG/MFF/FSB/DAI/DHCP Snooping/sFlow/Netstream	2 x RS232 management serial ports (one each for services and management)
CX911/CX912 10GE/FC multi-plane switch module		16 x 10GE SFP+ and 8 x 8G FC SFP+ uplink 32 x 10GE/16 x 8G FC downlink	L2: VLAN/MSTP/LACP/Stack/IGMP/Smart Link/Monitor Link L3: RIP/OSPF/ISIS/BGP/RRP/BFD/PIM/IPV6 QoS: DCBX/PFC/ETS/ACL/CAR/DiffServ Security: IPSG/MFF/FSB/DAI/DHCP Snooping/sFlow/Netstream CX911: integrates a Qlogic FC switch; CX912: integrates a Brocade FC switch	2 x RS232 management serial ports (one each for services and management)
CX915 GE/FC multi-plane module		4 x 10GE SFP+ and 12 x GE and 8 x 8G FC SFP+ uplink 32 x GE and 16 x 8G FC downlink	L2: VLAN/MSTP/LACP/Stack/IGMP/Smart Link/Monitor Link L3: RIP/OSPF/ISIS/BGP/RRP/BFD/PIM/IPV6 QoS: ACL/CAR/DiffServ Security: IPSG/MFF/FSB/DAI/DHCP Snooping/sFlow/Netstream FC: Qlogic FCoE_FC Gateway integrated	2 x RS232 management serial ports (one each for services and management)

Underpinned by leading technology and architecture, the E9000 applies Huawei's extensive technical experience in the ICT field coupled with Huawei's proprietary technologies and solutions to ensure industry-leading quality and distinctive functionality.

Product	CH242 V3	CH240	CH140 V3	CH222 V3	CH220 V3	CH121 V3
Photo						
Form factor	Full-width 4-socket compute node		Two 2-socket compute nodes in a half-width slot	Full-width 2-socket compute node		Half-width 2-socket compute node
Number of processors	2 or 4		2 or 4	1 or 2		1 or 2
Processor	Intel® Xeon® E7-4800 v2/8800 v2 series	Intel® Xeon® E5-4600 v2 series	Intel® Xeon® E5-2600 v3 series			
Memory	32 DDR3 DIMMs	48 DDR3 DIMMs	2*8 DDR4 DIMMs	24 DDR4 DIMMs	16 DDR4 DIMMs	24 DDR4 DIMMs
Internal storage	4/8 x 2.5" SAS/SATA or SSDs	8 x 2.5" SAS/SATA HDDs or SSDs	2 x 2.5" SAS/SATA HDDs or SSDs	15 x 2.5" SAS/SATA HDDs or SSDs, Dual Mini SSDs (SATA DOM)	2 x 2.5" SAS/SATA HDDs or SSDs, Dual Mini SSDs (SATA DOM)	
RAID support	RAID 0, 1, 10, 5, 50, 6, and 60		RAID 0 or 1	RAID 0, 1, 10, 5, 50, 6, and 60	RAID 0 or 1	
Expansion slot	4 PCIe x16 mezz slots Up to 3 PCIe x16 slots	2 PCIe x16 mezz slots	2 PCIe x8 mezz slots for each 2-socket compute node	2 PCIe x16 mezz slots 1 PCIe x8 full-height half-length slots	4 PCIe x16 mezz slots 6 PCIe slots	2 PCIe x16 mezz slots 1 PCIe x8 full-height half-length slot
Operating systems supported	Microsoft Windows Server, Red Hat Enterprise Linux, SUSE Linux Enterprise Server, Citrix XenServer, VMware, Huawei FusionSphere					
Operating temperature	5°C to 40°C		5°C to 35°C	5°C to 40°C		

E9000 Blade Server Highlights

Superb performance

- Supports processor evolution based on three generation Intel® Xeon® processors.
- Supports I/O acceleration using GPUs, PCIe SSDs, and DSP.

Converged architecture

- Adopts a modular design for computing, storage, switching, power supply, and cooling.
- Supports a dynamically scalable architecture by providing 2-socket and 4-socket compute nodes.
- Provides various switch modules (such as Ethernet, FC, FCoE, and InfiniBand) that can be flexibly configured based on service requirements.

Green and Reliable

- Adopts efficient Platinum AC PSUs with more than 95% power conversion efficiency.
- Implements dynamic energy saving management functions.
- Supports fully redundant function modules and a passive midplane to prevent single point of failures.

Best internal storage capability

- Supports 2 x 2.5" hard disks on a half-width compute node.
- Supports 8 x 2.5" hard disks on a full-width 4-socket compute node.
- Supports 15 x 2.5" hard disks on a full-width storage expansion compute node.

Best scalability

- Supports free combinations of 2-socket and 4-socket compute nodes.
- Supports standard PCIe card expansion on half-width compute nodes.
- Supports 6 standard PCIe card expansion on full-width compute nodes.

Highest switching and I/O capability

- Supports a midplane capability of 15.6 Tbit/s.
- Provides 128 x 10GE ports in a chassis.
- Supports 40GE/FCoE/FC/InfiniBand switching and evolution to 100GE/InfiniBand EDR.

E6000 Blade Server

The E6000 blade server (E6000 for short) is designed for large-scale and high-density IT deployment scenarios for telecommunications, enterprises, Internet applications, and scientific computing. It meets IT requirements for reliability, performance, and supercomputing in the area of mid-range and high-end service provision.

Product	E6000 Chassis	E6000H Chassis
Photo		
Form factor	8U blade server chassis	
Server blades	10 slots for HUAWEI BH series server blades	10 slots for HUAWEI BH series server blades
Switch module	Up to 6 switch modules: <ul style="list-style-type: none"> NX910 GE pass through module NX120 4G FC switch module NX112 10GE uplink switch module NX113 10GE uplink switch module 	Up to 6 switch modules: <ul style="list-style-type: none"> NX910 GE pass through module NX120 4G FC switch module NX220 8G FC switch module NX226 8G FC pass through module NX112 10GE uplink switch module NX113 10GE uplink switch module NX230 10GE switch module
PSU	Up to 6 hot-swappable PSUs: <ul style="list-style-type: none"> AC: 1600 W -48 V DC: 1300 W Redundancy: N+N* or N+M	
Fan module	9 hot-swappable fan modules in N+1 redundancy mode	
Management	2 management modules in 1+1 redundancy mode Supported protocols: IPMI 2.0, SOL, SSL, and SSH Supports CLI, IPMITools, RMCP+, and Web for management	
Power supply	110 V/220 V AC or -48 V DC	
Operating temperature	5°C to 35°C	

*Note: N+N redundancy is not supported on PSUs when the server is fully configured with BH640 V2 server blades.

Product	NX 910 GE pass through module	NX120 4G FC switch module	NX220 8G FC switch module	NX226 8G FC pass through module	NX112 10GE uplink switch module	NX113 10GE uplink switch module	NX230 10GE switch module
Photo							
Network port	10 pass through 1000Base-T ports (10/100Base-T unsupported)	4 autonegotiation optical ports at the rate of 1 Gbit/s, 2 Gbit/s, or 4 Gbit/s SFP single-mode and multi-mode transceivers, supporting unicast and broadcast data exchanging	6 auto-negotiation optical ports at the rate of 2 Gbit/s, 4 Gbit/s, or 8 Gbit/s SFP single-mode and multi-mode transceivers, 4G SFP and 8G SFP+ optical modules	10 pass through 8G FC SFP+ ports	Two 10 GE uplink SFP+ ports 2 stacking ports with the 12 Gbit/s bandwidth for stacking E6000 chassis Four 10/100/1000BASE-T auto-negotiation RJ45 Ethernet ports	Two 10 GE uplink SFP+ ports 2 stacking ports with the 12 Gbit/s bandwidth for stacking E6000 chassis 4 SFP GE optical ports L3 switching and multiple L3 routing protocols	Eight 10 GE uplink SFP+ ports L3 switching and multiple L3 routing protocols Switch stacking
Management port	1 I2C management port connected to the management module through the backplane	1 standard RS232 management serial port 1 I2C port and one 10/100Base-T management network port connected to the management module through the backplane	1 standard RS232 management serial port 1 I2C port and one 10/100Base-T management network port connected to the management module through the backplane	1 I2C management port connected to the management module through the backplane	1 standard RS232 management serial port 1 I2C port and one 10/100Base-T management network port connected to the management module through the backplane	1 standard RS232 management serial port 1 I2C port and one 10/100Base-T management network port connected to the management module through the backplane	1 standard RS232 management serial port 1 I2C port and one 10/100Base-T management network port connected to the management module through the backplane

Underpinned by leading technology and architecture, the E6000 applies Huawei's extensive technical experience and employs a range of Huawei's proprietary technologies and solutions to ensure industry-leading quality and distinctive features.

Product	BH620 V2	BH622 V2	BH640 V2
Photo			
Form factor	Full-height 2-socket server blade		Full-height 4-socket server blade
Number of processors	1 or 2		2 or 4
Processor	Intel® Xeon® E5-2400 v2 series	Intel® Xeon® E5-2600 v2 series	Intel® Xeon® E5-4600 v2 series
Memory	12 DDR3 DIMMs	24 DDR3 DIMMs	
Internal storage	4 x 2.5" SAS/SATA HDDs or SSDs	2 x 2.5" SAS/SATA HDDs or SSDs	
RAID support	RAID 0, 1, 10, 5, and 6	RAID 0 and 1	
Expansion slot	2 PCIe x 8 mezz slots for GE, 4G FC, 8G FC, and 10GE mezz cards		
Operating systems supported	Microsoft Windows Server, Red Hat Enterprise Linux, SUSE Linux Enterprise Server, Citrix XenServer, VMware, Huawei FusionSphere		
Operating temperature	5°C to 35°C		

E6000 Blade Server Highlights

Outstanding performance

- Provides an 8U space for 10 server blades and optimized layout for fan modules, PSUs, switch modules, and management modules, which achieves a good balance between computing density and power consumption and maximizes space utilization.
- Supports server blades such as the BH620 V2, BH622 V2, and BH640 V2 that use Intel® Xeon® E5 v2 series processors, which meets low-end, mid-range, and high-end customer requirements.

High efficiency and high reliability

- Uses highly efficient AC or DC PSUs to centrally supply 12 V DC power, and supports power capping, power alternate hibernation, and intelligent fan speed adjustment.

- Uses fan modules in N+1 redundancy mode and PSUs, switch modules, and management modules in N+N redundancy mode, and uses a passive backplane to prevent single point of failures.

Easy maintenance and management

- Complies with IPMI V2.0 and provides functions such as hardware monitoring, alarm generation, and log recording and querying.
- Uses Zero Touch-based remote maintenance for startup, shutdown, and reset to reduce O&M costs.

X6800 Data Center Server

It is a new-generation server launched for service optimization of the IT infrastructure of cloud data centers. The X6800 offers flexible configuration of a wide range of server nodes, meeting differentiated requirements for computing, storage, and I/O. The X6800 features high density and simplifies system management and O&M. It is an optimal choice for enterprise IT infrastructure.

Product	X6800 Data Center Server
Chassis photo	
Form factor	4U multi-node server
PSU	Four 750 W or 1200 W AC or 800 W DC redundant PSUs
Fan module	5 fan modules in N+1 redundancy
Operating systems supported	Uses the HMMs and iBMC for management, adopts the Huawei Hi1710 management chip, supports SNMP and IPMI, and provides the GUI, remote KVM, virtual media, SOL, intelligent power supply, remote control, and hardware monitoring.
Power supply	110 V to 220 V AC -48 V DC 240 V HVDC 380 V HVDC

Product	XH622 V3	XH628 V3
Server node photo		
Form factor	2S Full-height Two-socket server node	
Number of processors	1 or 2	
Processor	Intel® Xeon® E5-2600 v3 series	
Memory	16 DDR4 DIMMs	
Internal storage	4 x 2.5" SAS/SATA HDDs or SSDs 2 x Mini SSDs (SATA DOMs) 1 x USB flash drive	12 x 3.5" SATA/SAS HDDs or 2.5" SATA/SAS HDDs or SSDs (Optional) 2 x 2.5-inch SATA HDDs or SSDs 2 x Mini SSDs (SATA DOMs) 1 x USB flash drive
RAID support	RAID 0, 1, 10, and 5	RAID 0, 1, 10, 5, 50, 6, and 60
LOM	2 GE ports or 4 GE ports or 2 10GE ports	
Expansion slot	Up to 5 PCIe slots	
Operating systems supported	Microsoft Windows Server, Red Hat Enterprise Linux, SUSE Linux Enterprise Server, Citrix XenServer, VMware, Huawei FusionSphere	
Operating temperature	5°C - 40°C	

X6800 Datacenter Server Highlights

One architecture for all business

- Supports a variety of high-density server nodes.
- Allows flexible configuration of compute, storage, and GPU acceleration nodes to meet different service requirements.

Outstanding Stability and Reliability

- Uses a passive backplane and supports long-term stable operating at 40°C.
- Implements server management using iBMC and HMM.

High Energy Efficiency

- Uses centralized power supply and heat dissipation and supports high-voltage DC.
- Uses 80 Plus Titanium power supply units (PSUs), which provide 96% power efficiency at 50% load.
- Uses optimized cooling design to maximize heat dissipation efficiency.

X6000 High Density Server

It is a high-density server designed for cloud computing, data centers, and Internet applications. With its optimized architecture, the X6000 offers you high density, rich server node options, and high energy efficiency. It is an ideal choice for large-scale server deployments.

Product	X6000
Chassis photo	
Form factor	2U node server
PSU	Two hot-swappable PSUs working in 1+1 redundancy mode Options: AC: 750 W, 800 W, and 1200 W DC: 800 W
Fan module	Three fan modules working in N+1 redundancy mode
Operating systems supported	Provides independent ports, supports SNMP and IPMI, provides the remote KVM, virtual media, SOL, remote control, hardware monitoring, and intelligent power supply, and adopts the power capping technology.
Power supply	110/220 V AC or -48 V DC

Product	XH320 V2	XH321 V2	XH621 V2
Server node photo			
Form factor	Half-width server node		Full-width server node
Number of processors	1 or 2		
Processor	Intel® Xeon® E5-2400 v2 series	Intel® Xeon® E5-2600 v2 series	
Memory	12 DDR3 DIMMs	16 DDR3 DIMMs	24 DDR3 DIMMs
Internal storage	4 x 2.5" SAS/SATA HDDs or SSDs		8 x 2.5" SAS/SATA HDDs or SSDs
RAID support	RAID 0, 1, 10, 5, and 6		RAID 0, 1, 10, 5, 50, 6, and 60
LOM	2 GE ports		
Expansion slot	Up to 2 PCIe slots	1 PCIe slot (2 processors)	Up to 4 PCIe slots
USB port	5 (3 USB ports provided by a high-density connector, 1 built-in USB port, and 1 built-in USB flash port)		
Management	Built-in iBMC, which supports IPMI, SOL, KVM over IP, and virtual media features One 10/100 Mbit/s RJ45 management network port		
Operating temperature	5°C to 35°C		

X6000 High Density Server Highlights

2U high-density server

- Accommodates four half-width or two full-width server nodes in the 2U space.
- Offers a density four times that of a conventional 2U rack server.

Multiple servers in one chassis

- Provides half-width server nodes and full-width server node to achieve optimal performance based on service requirements.
- Provides customized server nodes.

Excellent energy efficiency control

- Centralized power and cooling, increasing cooling efficiency and reducing energy consumption.
- Supports fan speed control by area, intelligent fan speed adjustment, and intelligent CPU frequency adjustment, which decreases power consumption and offers you green and energy-saving solutions.

X8000 High-Density Rack Server

It is a new-generation rack server designed for data centers and Internet applications. Featuring high density, energy efficiency, simple maintenance, and multiple applications, the X8000 is an ideal choice for data centers of large enterprises and groups, governments, energy industries, and Internet enterprises.

Product	X8000 High-Density Rack Server	
Photo		
Form factor	44U high-density rack server	
Server node	80 compute nodes or 40 storage nodes	
PSU	8 hot-swappable 3000 W AC PSUs in N+N redundancy mode	
Fan module	Twelve 172 mm fan modules in N+1 redundancy mode	
Management	RMC	
Operating temperature	DH310 V2: 5°C to 40°C DH320 V2, DH321 V2, and DH628 V2: 5°C to 35°C	
Installation requirement	Rack power supply: 12,000 W Floor load capacity: 1,200 kg	

Product	DH310 V2	DH320 V2	DH321 V2	DH628 V2
Photo				
Form factor	Half-width server node			1/4 width server node
Number of processors	1	1 or 2		
Processor	Intel® Xeon® E3-1200 v2 series	Intel® Xeon® E5-2400 v2 series	Intel® Xeon® E5-2600 v2 series	Intel® Xeon® E5-2400 v2 series
Memory	4 DDR3 UDIMMs	12 DDR3 DIMMs	16 DDR3 DIMMs	8 DDR3 DIMMs
Internal storage	One 3.5" SATA HDD	2 x 2.5" SAS/SATA HDDs or SSDs		12 x 3.5" SATA/SAS HDDs or 2.5" SATA/SAS HDDs or SSDs 2 x 2.5" SATA HDDs or SSDs
RAID support	-	RAID 0 or 1		RAID 0, 1, 10, 5, 50, 6, and 60
LOM	2 GE ports			
Expansion slot	-	Up to 2 PCIe slots	1 PCIe slot	Up to 2 PCIe slots
Management	Built-in iBMC, supporting IPMI, SOL, KVM over IP, and virtual media One 10/100 Mbit/s RJ45 management network port			
Operating systems supported	Microsoft Windows Server, Red Hat Enterprise Linux, SUSE Linux Enterprise Server, Citrix XenServer, VMware, Huawei FusionSphere			
Operating temperature	5°C to 40°C	5°C to 35°C		

X8000 High-Density Rack Server Highlights

High density and innovative architecture design

- Supports up to 80 compute nodes or 40 storage nodes, providing computing density four times that of a 2U 2-socket rack server.
- Supports a storage capacity of up to 2 PB.

Energy efficiency

- Uses 12 large fan modules in two areas, efficiently cooling the server.

- Reduces energy consumption by 15% compared with conventional rack servers of the same configuration.

Quick delivery and accelerated service rollout

- Supports factory installation and integrated rack delivery, accelerating service rollout.

ES3000 V2 PCIe SSD Card

ES3000 V2 PCIe SSD card features excellent performance, fast response, and high reliability. It significantly enhances storage I/O performance, and compatible with mainstream operating systems and virtualization systems, addressing database & virtualization applications. ES3000 V2 helps customers reduce TCO.

ES3000 V2 Model	600	800	1200	1600	1200H	1600H	2400H	3200H
Photo								
Usable Capacity	600 GB	800 GB	1,200 GB	1,600 GB	1,200 GB	1,600 GB	2,400 GB	3,200 GB
Max. Read BW (GB/s)	1.5	1.5	1.5	1.5	3	3	3	3
Stable Read IOPS (4KB)	350,000	375,000	375,000	390,000	700,000	700,000	750,000	750,000
Min. Read Latency	42 μs	42 μs	42 μs	42 μs	44 μs	44 μs	44 μs	44 μs
Max. Write BW (GB/s)	0.65	0.85	0.99	1.05	1.35	1.7	1.95	2.1
Max. Write IOPS (4KB)	180,000	215,000	245,000	270,000	335,000	420,000	520,000	580,000
Stable Write IOPS (4KB)	75,000	90,000	100,000	110,000	145,000	180,000	200,000	220,000
Min. Write Latency	11 μs	11 μs	11 μs	11 μs	11 μs	11 μs	11 μs	11 μs
Stable Mix IOPS (R/W:7/3, 4KB)	160,000	175,000	215,000	255,000	320,000	355,000	430,000	510,000
Power Consumption	12~21 W	12~25 W	12~23 W	12~25 W	25~42 W	25~45 W	25~50 W	25~55 W
Weight	200 g	225 g	200 g	225 g	375 g	400 g	375 g	400 g
Form Factor	Low profile				Full-height, half-length			
NAND Type	20nm MLC (Multi Level Cell)							
Bus Interface	PCI-Express 2.0 x8							
Warranty	5 years or maximum endurance used							
Operating Systems	Microsoft Windows: Windows Server 2012 R2, Windows Server 2012, Windows Server 2008 R2, Windows Server 2008, Windows 7/8 Linux: RHEL 5/6/7, SLES 11, CentOS 5/6/7, Ubuntu 12/13 Hypervisors: VMware ESXi 5.0/5.1/5.5, Microsoft Windows Hyper-V, Huawei FusionSphere							

ES3000 V2 PCIe SSD Card Highlights

Outstanding performance

- Smaller size, more capacities. Provides full-height half-length and low profile form factors, 600GB ~ 3.2TB variety of capacity optional.
- More concurrent, higher IOPS. Up to 750K read and 220K write stable IOPS performance.

Industry-leading reliability

- Embedded ECC engine & dynamic RAID5 engine, forming two-dimensional error detection/ correction mechanism to ensure data reliability.
- Dynamic RAID algorithm achieves resource sharing between channels to avoid loss of data due to channel failure.
- Data classification and management with advanced wear algorithm, reducing wear write, improve service life.
- Supports power-down protection to ensure data integrity.

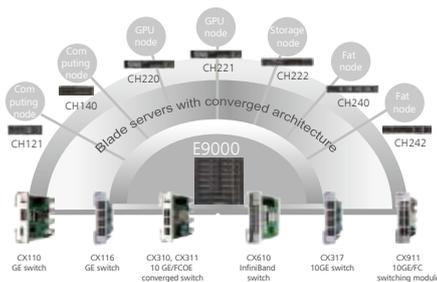
Huawei High Performance Computing Solution

High performance computing (HPC) systems are used where powerful, highly-efficient systems are required to solve scientific, engineering, and data analysis problems. In fields such as computer-aided engineering (CAE) simulation, animation rendering, chemistry, petroleum surveys, life science, and meteorological forecasts, solving complex problems is not possible with simple desktop computers.

Huawei's High Performance Computing Solution adopts Huawei's high-performance servers, large-capacity storage, and innovative cluster and device management software, offering you the power of HPC to easily solve these complex problems. To meet your diversified requirements, this solution has three available options: All-In-Chassis, All-In-Rack, and All-In-Room.

All-In-Chassis: small HPC system solution

- 8/16/32 nodes in a 12 U space, 64 Xeon processors in each chassis, and up to 42.39 T Flops floating-point arithmetic capability
- 24 TB cost-efficient memory in each chassis, capable of virtual and big data analysis
- Up to 15.6 Tbit/s backplane bandwidth, and high-speed cluster interconnection
- Supports InfiniBand QDR/FDR, and IB EDR evolution
- Supports GPGPU/MIC accelerators



All-In-Chassis HPC solution: converged high-density computing, large-capacity storage, and high-bandwidth network

All-In-Rack: medium HPC system solution

- Deep integration and fast deployment**
- A rack can be 24 U or 42 U high, which can be flexibly assembled.
 - Deep integration of servers, routers, switches, monitoring units, PDUs, and heat dissipation systems.
- Modular design and flexible expansion**
- IT racks, network racks, and battery racks are modular in design and can be flexibly combined.
 - UPSs, batteries, and PDUs are designed for standard 19-inch racks and can be deployed on demand.
- Smart, efficient, and green**
- Liquid Cooling Build Green HPC.
 - Fans support variable speeds.



All-In-Rack HPC solution: Highly integrated design, infrastructure devices and IT devices in one rack, plug and play

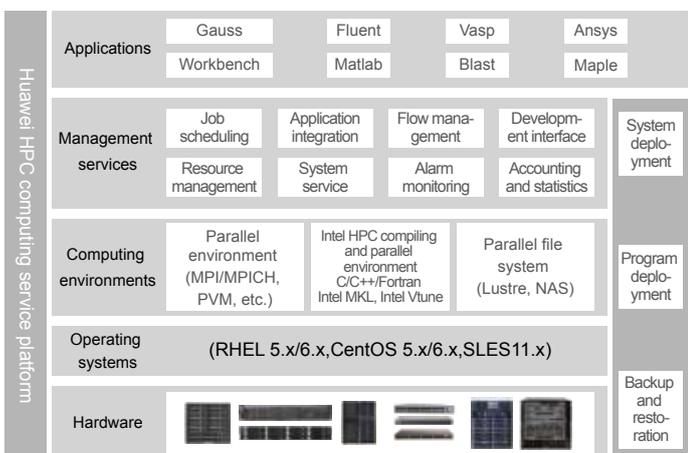
All-In-Room: large HPC system solution

- High adaptability and maximized space usage**
- As low as 2.6 m room height requirement
 - One-row or double-row chassis deployment
- On-demand and convenient deployment**
- With pre-configured and standard interfaces, the onsite solution installation can be completed within 1 week, improving the deployment efficiency by 50% compared to traditional installation mode.
- Modular architecture, high efficiency, and energy conservation**
- Efficient and energy-saving power usage effectiveness (PUE)
 - A PUE index less than 1.2 thanks to the combination of in-row air conditioners, modular UPSs, enclosed cold passages, and deeply integrated power distribution frames (PDFs).



All-In-Room HPC solution: modular design, fast installation, on-demand deployment, high efficiency, and intelligence

Architecture



Highlights

- Converged architecture**
Highly integrated computing, storage and networking, superior hardware and open software architecture, constructing the ultimate performance platform
- Flexible deployment**
All in one, modular design, high integration, on-demand fast deployment, fast service application, and flexible expansion
- Intelligent management**
Efficient scheduling with abundant strategies, customizable workflow, graphical unified management
- Energy saving**
Energy-saving design from board to system, intuitive and real-time monitoring and green technologies
- Professional service**
Service network around the world, customizable design, end-to-end delivery

SAP HANA

In the big data era, the amount of enterprise data deriving from the process of production, operation, R&D, and sales is ever-increasing. The conventional IT architecture is unable to rapidly analyze key information from massive business data to provide the basis for decision making.

Huawei partnered with SAP to launch SAP HANA solutions, which provide real-time service experience for enterprises and help to reduce operating cost, identify high-value customers, and find more efficient business models.



Description

Based on its high-performance hardware platform, Huawei provides various deployment options for SAP HANA, including the single-node, scale-out, and tailored datacenter integration (TDI) solutions, to meet initial configuration and expansion demands and maximize return on investment (ROI). The solutions support memory scalability from 128 GB to 32 TB. Huawei also provides multi-level HA and disaster recovery schemes for SAP HANA to ensure data security and business continuity.



The only one that uses the PCIe SSD and 56 Gbit/s InfiniBand technology to achieve low latency and high bandwidth.



Application pre-integration and integrated management platform for hardware and software bring more agile services to customers.



Comprehensive solutions based on Huawei's SAP HANA certified servers and storage devices meet business demands and drive commercial success for customers.

	Single-node solution	Scale-out solution	TDI solution
Memory	128GB~6TB	512GB~16TB	512GB~32TB
Servers	RH2288H V2 RH5885H V3 RH8100 V3	RH5885H V3 FusionCube	RH5885H V3 RH8100 V3 E9000
Storage	-	S5500T FusionStorage	S5500T S5600T S5800T S6800T 18000 series
SSD acceleration	Support	Support	Support
File system	XFS/NFS		
OS	SLES 11.3 for SAP HANA		

Installation and After-Sales Service

Huawei Solutions for SAP HANA provide flexible configuration, software preinstallation, and unified service management to facilitate subscription and deployment. Huawei provides the most advanced software and hardware platform with continuous innovation and leading products and solutions to ensure long-term return on investment (ROI) of customers. By leveraging years of experience in ultra-large data center delivery and management and support for SAP HANA verification tests, Huawei helps customers to quickly understand the support provided by memory computing for businesses.

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