Huawei Server Portfolio

Solution

HPC
Integrates industry-leading computing, network, and storage devices with management software for a comprehensive, professional solution.

RISC-to-IA
Seamlessly migrates mission-critical applications from closed RISC servers to open, reliable x86 servers to sustain customer business development.

SAP HANA Appliance
Combines HANA software with an optimized hardware platform for a powerful in-memory computing system to accelerate ERP, data warehouses, and other key applications.

Virtualization
Reduces OPEX by consolidating data centers with reference architectures and optimized deployment.

Big Data
Integrates industry-leading software into optimized hardware for real-time batch data processing and increased value.

FusionCube

FusionCube 9000

Ideal for databases and virtualization
- 56 Gbit/s InfiniBand network
- 7,200,000 IOPS per cabinet
- 192 GB/s throughput per cabinet
- 1 TB data rebuild < 15 minutes

FusionCube 6000

Ideal for virtualization and desktop cloud
- 140 VMs per standard virtualization appliance
- 280 VDI users per standard desktop cloud appliance
- Min 3 server nodes per 4U chassis, integrated delivery, simplified maintenance
- 11-minute initialization, auto hardware discovery, installation wizard
- 256 nodes, expandable online

KunLun

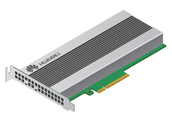
KunLun 9008/9016/9032

- Multiple applications
  Databases, in-memory computing, cloud computing, virtualization platforms, and HPC fat nodes are powered by up to 32 E7 v3/v4 series processors and 768 DDR4 DIMMs.
- High stability and reliability
  RAS 2.0 technology, PFAE, and hot swap ensure business continuity.
- Leading performance
  NC interconnection chips connect 32 processors for speeds topping SPEC CPU2006 and SPEC JBB2015 benchmark performance testing.
- Open ecosystem
  Huawei partners with industry giants to build an open, complete industry chain. E2E solutions improve enterprise ROI in IT systems.

TaiShan

Huawei enterprise-level SSDs feature high performance and reliability to eliminate I/O bottlenecks, accelerate database, virtualization, indexing, web, and ServerSAN applications, while reducing TCO.

NVMe SSD Card — ES3600C V3



- Half-height and half-length PCIe card, 800 GB to 3.2 TB capacity, 15/16 nm MLC
- Huawei's ASIC SSD controller and NVMControl technology
- PCIe 3.0 x4 with 3.2 GB/s bandwidth and 800,000 IOPS
- NVMe standard, UEFI bootable
- 3 DWPD for 5 years

NVMe SSD Disk — ES3500P V3 / ES3600P V3

- 2.5" disk (U.2), 800 GB to 3.2 TB capacity, 15/16 nm MLC
- Huawei's ASIC SSD controller and NVMControl technology
- PCIe 3.0 x4 with 3.2 GB/s bandwidth and 800,000 IOPS
- NVMe standard, hot-swappable, UEFI bootable
- 1 or 3 DWPD for 5 years

FusionServer

Rack Servers

RH8100 V3 — 8U 8P

Ideal for mission-critical applications
- 8 E7-8800 v3/v4 series processors for superior performance
- 192 DIMMs, memory riser hot swap through live memory migration
- 8, 12, or 24 x 2.5" hard disks
- 18 PCIe slots (2 RAID-dedicated) FusionPar hard partitioning technology
- 60 RAS features for stable operation in most-demanding environments

RH5885H V3 — 4U 4P

Ideal for mission critical applications such as databases, ERP, BI analysis, Big Data, and virtualization
- 4 E7-4800/E7-8800 v3/v4 series processors with 96 cores
- 96 DDR4 DIMMs for 6 TB capacity
- 8 or 23 x 2.5" hard disks
- 17 PCIe slots (1 RAID-dedicated)

RH5885 V3 — 4U 4P

Ideal for databases, ERP, BI analysis, Big Data, and virtualization
- 4 E7-4800/E7-8800 v3/v4 series processors with 96 cores
- 48 DDR4 DIMMs
- 8 or 23 x 2.5" hard disks
- 8 PCIe slots (1 RAID-dedicated)
- Flexible configuration of hardware (processors, DIMMs, I/O devices, and hard disks)

RH1288 V3 — 1U 2P

Ideal for compute-intensive, Big Data, virtualization, and web applications
- 2 E5-2600 v3/v4 series processors
- 16 DDR4 DIMMs
- 4 x 3.5" or 8 x 2.5" hard disks
- 3 PCIe slots
- 2 miniSSDs (SATADOMs)

RH2288 V3 — 2U 2P

Ideal for enterprise data center infrastructure, Big Data, virtualization, and web applications
- 2 E5-2600 v3/v4 series processors
- 16 DDR4 DIMMs
- 16 x 3.5" or 28 x 2.5" hard disks for ultra-large storage capacity
- 6 PCIe slots

RH2288H V3 — 2U 2P

Ideal for enterprise data center infrastructure, Big Data virtualization, and web applications
- 2 E5-2600 v3/v4 series processors with 44 cores
- 24 DDR4 DIMMs
- 16 x 3.5" or 28 x 2.5" hard disks
- 9 PCIe slots
- 2 miniSSDs (SATADOMs)

5288 V3 — 4U 2P

Ideal for Big Data, cold data storage, video surveillance, and cloud storage
- 2 E5-2600 v3/v4 series processors
- 16 DDR4 DIMMs
- 40 x 3.5" hard disks
- 6 PCIe slots

Blade Servers

E9000 — 12U 8/16/32 nodes

Ideal for enterprise mission critical applications, carrier NFV, and HPC
- Excellent performance
  - 64 processors, 15.6 Tbit/s midplane bandwidth, 40GE and IB EDR
  - 15 x 2.5" hard disks/6 x 3.5" hard disks/12 NVMe PCIe SSDs (full-width compute nodes)
- Converged architecture
  - Modular design for computing, storage, switching, cooling, and power supply
  - Dynamic expansion of 2- and 4-socket compute nodes
- High energy efficiency
  - Platinum/Titanium PSUs, DEMT, liquid cooling solution, Energy Star certified

CH121 V3 — 2P

- 2 E5-2600 v3/v4 series processors
- 24 DDR4 DIMMs
- 2 x 2.5" hard disks
- 1 PCIe slot
- 2 mezzanine card slots
- 2 miniSSDs (SATADOMs)

CH140 V3 — 2X2P

Per child node:
- 2 E5-2600 v3/v4 series processors
- 1 x 2.5" hard disk
- 8 DDR4 DIMMs
- 2 shared mezzanine card slots

CH220 V3 — 2P

- 2 E5-2600 v3/v4 series processors
- 16 DDR4 DIMMs
- 2 x 2.5" hard disks
- 6 PCIe slots
- 4 mezzanine card slots

CH222 V3 — 2P

- 2 E5-2600 v3/v4 series processors
- 24 DDR4 DIMMs
- 15 x 2.5" hard disks
- 1 PCIe slot
- 2 mezzanine card slots
- 2 miniSSDs (SATADOMs)

CH225 V3 — 2P

- 2 E5-2600 v3/v4 series processors
- 24 DDR4 DIMMs
- 12 x 2.5" NVMe PCIe SSDs + 2 x 2.5" SAS/SATA HDDs or SSDs
- 1 PCIe slot
- 4 mezzanine card slots
- 2 miniSSDs (SATADOMs)

CH226 V3 — 2P

- 2 E5-2600 v3/v4 series processors
- 24 DDR4 DIMMs
- 6 x 3.5" SAS/SATA HDDs + 2 x 2.5" SAS/SATA HDDs or SSDs
- 1 PCIe slot
- 2 mezzanine card slots

CH242 V3 — 4P

- 4 E7 v3/v4 series processors
- 32 DDR4 DIMMs
- 8 x 2.5" hard disks
- 2 PCIe slots
- 4 mezzanine card slots

High-Density Servers

X6800 — 4U 4/8 nodes

Ideal for IT infrastructure of cloud data centers
- Optimized for diverse workloads
- A wide array of server nodes for different density and performance
- Flexible computing, storage, and I/O device combinations

XH628 V3 — 2P

- 4 nodes per chassis
- 2 E5-2600 v3/v4 series processors
- 16 DDR4 DIMMs
- 12 x 3.5"/2.5" + 2 x optional 2.5" hard disks
- 5 PCIe slots
- 2 miniSSDs (SATADOMs)

XH622 V3 — 2P

- 4 nodes per chassis
- 2 E5-2600 v3/v4 series processors
- 16 DDR4 DIMMs
- 4 x 2.5" hard disks
- 5 PCIe slots
- 2 miniSSDs (SATADOMs)

XH620 V3 — 2P

- 8 nodes per chassis
- 2 E5-2600 v3/v4 series processors
- 16 DDR4 DIMMs
- 2 or 4 x 2.5" or 2 x 3.5" hard disks
- 3 PCIe slots
- 2 miniSSDs (SATADOMs)

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