

# HUAWEI Tecal™ E6000 Blade Server

— High efficiency, High performance, and Virtualization support



Do you want to seek an server with latest computing platform, high performance to support virtualization, high efficiency, energy-saving, and easy to manage and maintain?,

Yes, Huawei Tecal™ E6000 is just what you want!

Huawei Tecal™ E6000 is a new-generation blade server developed by Huawei, which features low power consumption, high performance to support virtualization, easy maintenance, and high reliability.

## Functions and Features

### High-efficiency and energy-saving

Compared with normal 2U rack mounted server, Huawei Tecal™ E6000 saves 20% to 30% power consumption.

- High-efficiency power module reduces the AC/DC power conversion loss.
- Optimized system fan vent reduces power consumption of power cooling system.
- High-efficiency VRD power reduces DC/DC power conversion loss.
- Optimized layout reduces the power consumption of the power cooling system.
- The 2.5-inch hard disks reduce much more power consumption compared with 3.5 inch hard disks.

### Easy maintenance

- All components support online hot swappable.
- Support IPMI 2.0 specification.
- Support remote maintenance of SOL, KVM over IP, and Virtual media etc, Zero Touch compliance.

### High performance and Virtualization support

- Support Intel® Xeon® 5500/5600 series high performance CPU with 95 W, 80 W and 60 W options.
- 12 DIMM slots support up to 96 GB DDR3 memory, virtualization support.
- Four 2.5-inch hard disks support 256 MB RAID cache with optional battery protection.

### High reliability

- Redundant architecture designed with no single point failure.
- Passive backplane design improves system reliability.
- Carrier-class component selection and manufacturing process.

### Customization

- Support customized design by customer requirement.

## Technical Specifications

### Shelf of the E6000

Specification	Description
Blade slots	Support up to 10 BH620 blades
Switching module slots	Support up to 6 switching modules Six GE switches or four GE switches + two FC switches
Power module	Support up to six hot swap gold level power modules. Support N+N or N+1 redundancy configuration Support load balance and failover
Fan module	Support nine hot swap fan modules. Support N+1 redundancy
Shelf management module	Support up to two shelf management modules Support management features, such as IPMI 2.0, SOL, KVM over IP, and virtual media
Power supply	110 V/220 V AC
Dimensions	Height: 353 mm (8U) Width: 447 mm Depth: 810 mm

### BH620 blade server

Specification	Description
Quantity of processors (standard/maximum)	1/2
Processor type	Dual / Quad-core / Six-core Intel® Xeon® 5500/5600 series processors Support 95 W, 80 W, and 60 W
Memory slots	Support up to 12 DDR3 DIMM slots, and up to 96 GB memory (8 GB each memory bar)
Quantity of built-in hard disks	Four 2.5-inch SAS or SATA hard disks
Maximum internal storage	Support 1.2 TB SAS internal storage (with four 2.5-inch 300 GB SAS hard disks) Support RAID 0, RAID 1, RAID 10, and RAID 5 etc. Support RAID cache The optional BBU battery protection module provides 3 x 24 hour power protection
Network	The blade is integrated with two GE Ethernet controllers, adopting BCM5715 chips Support extending two 8 lane PCIe Mezzanine daughter cards
Management	Integrated BMC management module supports management features, such as IPMI, SOL, KVM over IP, and virtual media
Dimensions	Height: 310 mm Depth: 496 mm Width: 41.8 mm

## Typical Applications:

Huawei Tecal™ E6000 blade server can be widely deployed in telecom, Internet, cloud computing, IDC and high-performance computation center (HPC).

For more information, you can:

Dial Huawei customer service telephone number 86-755-28560000 or 400830218, or contact Huawei engineers working in local office.

Visit <http://support.huawei.com/support/>.