Enhanced Support for More Efficient Server Consolidation

PRIMERGY BX620 S4 provides a range of future-oriented technologies, with processors (Dual- or Quad-Core), memory (FBD, extended mirroring), and 2.5 inch SAS hard disk drives.

Innovative use of such capabilities enables PRIMERGY BX620 S4 customers to run much larger applications than on previous Dual- or Quad-Core Server Blades. The SAS hard disk drives with RAID1 better meet your growing demands for higher levels of data security. While your specific configurations can be very easily established, either built to order in the factory or on your site.

This is because the different storage modules come with an intelligent mounting cage for efficient blade and storage deployment.

Up to ten blade servers can be mounted in a single chassis unit. The latest Intel® Xeon® Processor technology and up to 8 x LAN interfaces – guarantees high performance and reliability. Up to two supporting CPUs can be mounted on a single server blade. ECC memory (standard) prevents the blade server from system interruptions due to memory errors. Hard disks on the server blade can also be configured into arrays. All modules including server blades, management blades and switch blades support redundancy and hot plugging, ensuring high availability.

Both external and internal LAN are supported as high-speed LAN (Gigabit-LAN) and redundant LAN, for high performance and availability. Server management, remote control and other server supervision functions are provided by the Server management blade and LAN ports.

Since connection of multiple servers is enabled, PRIMERGY BX620 S4 supports a wide range of server functions from front-end servers to application servers.
### Specifications

**Type**: Dual-Processor Blade Server

**Model**: BX620 S4

#### CPU

- **Names**: Intel® Xeon® X5470 (3.33GHz) / X5460 (3.16GHz) / X5450 (2.66GHz)
- **Second-Level-Cache**: X5470 (3.33GHz)/X5460 (3.16GHz)/X5450 (2.66GHz)
- **Number of Processors**: 2
- **Number of cores**: 4
- **Frequencies**: 12MB
- **Bus**: FSB 133MHz
- **Voltage**: 1.2V (minimum)
- **Temperature range**: 0°C to 40°C
- **Humidity**: 20% to 80% RH

#### Memory

- **Maximum**: 32GB (8GB ECC DDR2 SDRAM Fully Buffered DIMM, PC2 5300)
- **Available memory**: 2GB (1GB ECC DDR2 SDRAM Fully Buffered DIMM, PC2 5300)

#### Graphics Controller

- **Chipset**: Intel® 9650P
- **Graphics Controller**: ATI ES 1000, VRAM (PCI)

#### Internal Bays

- **2.5 inch HDD (SAS)**: 2
- **Available HHD**: 2.5 inch, SAS, 10K rpm, 7.2 GB

#### LAN Interfaces

- **Fibre Channel Interface**: 6ports (1Gb/s)ports (1Gb/s) when 1GBs Ethernet I/O Module (2ports/1Gb/s) is applied
- **Available FC I/O Module (2ports/2Gb/s) is applied**: 1

#### RAID

- **RAID**: Standard (Onboard, with RAID1 function)
- **RAID Interface**: SAS x 2

### Dimensions

**Weight**: 7.0 kg (max.)

**Environmental Conditions**: Temperature:10-35°C/Humidity:20-80% (non condensing)

**OS Support**:
- Windows Server 2003, Standard x64 Edition
- Red Hat Enterprise Linux 5 (for x86)

#### Certification

- ISO14020 international standard, categorized in the Environmental Label. Categorized in the European Union's ENERGY STAR.
- PC Mark 05: 5050P
- JEITA: voluntary scheme to promote energy efficient servers and workstations.
- ECO 2003 (SP2), Windows Server 2003, Standard x64 Edition (SP2)

### Slot

- **Number of Slots**: 2 (Management Blade x 2 installed as standard / hot plug)
- **Network Blade**: 4 (hot plug)
- **KVM Module**: Display (Analog RGB) / Keyboard (PS/2 type Mini DIN 6pins) / Mouse (PS/2 type Mini DIN 6pins) / (KVM Module x 1 installed as standard)
- **Power supply**: 12VDC/DC5V-Standby (provided by BX600 S3 Blade Server System Unit)

### References

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