

## **PRIMERGY Blade Servers PRIMERGY BX620 S4**

Enhanced Support for More Efficient Server Consolidation

PRIMERGY BX620 S4 provides a range of future oriented technologies; with processors (Quad/Dual-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-Core Server Blades. The SAS hard disk drives with RAID1 better meet your growing demands for higher levels of data security.



### **Key features**

#### **1. PRIMERGY BX620 S4 blade server**

1) Up to 10 industry-standard LAN ports

These servers come standard with six ports, but can be expanded with a pair of LAN ports or Fibre Channel ports for more flexibility in configuring highly concentrated systems, as well as with a pair of front-side LAN ports for a total of ten. This makes these blade servers simple to configure to networks and supports greater flexibility in network configuration.

2) Optional 4 Gbps Fibre Channel expansion board

Features a Fibre Channel expansion board equipped with two ports that is capable of high-speed data transfer of maximum 4Gbps.

3) Latest quad-core processor(2) with low electricity consumption

The CPUs driving these new blade servers are the Intel® Xeon® L5320 1.86 gigahertz (1.86 GHz) processors, which reduce energy demands by as much as 60% compared to the previous generation of processors with equivalent performance(3).

#### **2. PRIMERGY BX600 S3 chassis**

The chassis features high-bandwidth midplane and works with PRIMERGY BX620 S4 blade servers, with up to 10 LAN ports each. Throughput between blade server and embedded switch is 4.3 times greater than existing models, achieving communication speed of 10 Gbps and enabling the flexible network configurations required for server consolidation.

#### **3. PRIMERGY BX600 Fibre Channel switchblade (4 Gbps)**

This Fibre Channel switchblade supports communications rates up to 4 Gbps. It comes standard with 12 ports (4 uplink, 8 downlink) and is expandable to 16 ports (6 uplink, 10 downlink).

This product is scheduled to support a "SAN Connectivity Virtualization Option", which confers a virtual World Wide Name to the Fibre Channel on top of the blade servers in the near future.

This option will virtualize the blade servers, and in concert with Fujitsu's Systemwalker Resource Coordinator Virtual server Edition V13.2 middleware, will also virtualize the SAN connection between servers and storage. It also supports a mixed environment of physical servers and virtual servers running VMware Infrastructure 3, making it possible to change the physical server configuration without changing storage or networking settings, for plug-and-play convenience. The system also automates the process of detecting faults and bringing reserve servers online, and can manage with a single reserve server (physical or virtual), for a low-cost, high-availability "N+1 standby" blade system.

#### **4. PRIMERGY BX600 switchblade (1 Gbps)**

This switchblade supports the expanded LAN ports on the PRIMERGY BX620 S4. Compared to other products of equal size, this offers far more ports: 42 LAN ports (12 uplink, 30 downlink), compared to just 16 (6 uplink, 10 downlink) on other products. This shares the same established security, reliability, and user interface of Fujitsu's SR-S series LAN switches for greater usability.

# 10 LAN Ports; the Highest Number in the Industry **FUJITSU**

## Customer's Requests:

- Want to Separate On-line Transactional LANs from Management LANs
- Need the Redundancy of LAN connections
- Want to use Blades for more I/O Intensive applications



The Maximum 10 Ports per BX620S4 blade enables Customer to Simplify the Network Design and Apply Blades to more I/O Intensive applications

