Enhanced System Management:
Increase resource utilization by provisioning applications and services across multiple Blades. Each Blade can perform multiple tasks, allocated according to need.

Heterogeneous Platform:
Choose SPARC® Blades, x86 Blades, or both. The Sun Fire™ Blade Platform is designed to be implemented with minimal disruption to an existing compute environment.

Intelligent Shelf:
Raise availability and quality-of-service levels while reducing costs. The Intelligent Shelf contains dual switches, system controllers, and power supplies, supporting up to 16 Blades.

Solutions Community:
Resources such as iForce™, the Sun Developer Network, and the Customer Ready Systems Program provide best-of-breed applications and solutions to help maximize ROI.

Sun Fire™ Blade Platform

Stacked with proven Sun technology. Integrated system management, lower TCO, and best-of-breed solutions—all in a 3U form factor.

◇ **Sun** microsystems

One administrator for over a hundred servers?

No, you're not dreaming. Sun Fire Blades—each one a server with memory, a CPU, and a hard disk—are stacked side by side within the Intelligent Shelf, resulting in five times the compute density of any previous Sun offering. This can result in a lower cost of ownership, with increased reliability, higher availability, and improved utilization. And the Sun Fire Blade Platform is built the way all Sun products are built. Open. Flexible. Ready for the toughest deployments and stacked with proven technology, including SPARC, Solaris™, Linux, Java™, and Sun™ ONE.

Sun Fire Blade Platform

Features

Blade Servers

General Purpose Blades

SPARC Blade
- UltraSPARC® IIi 650 MHz
- Solaris 8
- 512 MB, 1 GB, 2 GB memory options
- 2 GbE ports
- 30 GB (24x7) 2.5 in. IDE Drive
- Advanced Lights Out Manager
- Single-slot, 3U self-enclosed Blade
- Estimated avg. 18 W per Blade
- Indicator lights: Power, fault, ready to remove
- Unique FRU ID per Blade

x86 Blade
- x86 starting at 1.2 GHz
- Solaris 9 and Linux
- 512 MB to 2 GB memory
- 2 GbE ports
- 40 GB (24x7) 2.5 in. IDE Drive
- Advanced Lights Out Manager
- Single-slot, 3U self-enclosed Blade
- Avg. 40 W per Blade
- Indicator lights: Power, fault, ready to remove
- Unique FRU ID per Blade

Specialty Blades

Load Balancing Blade
- Integrated hardware and software
- Load balancing for Blades, Intelligent Shelves, and racks
- Server-to-client direct response
- Active Blade and link failover

SSL Blade
- Integrated hardware and software
- SSL encryption and decryption
- Failover to redundant link and Blade
- 1K keys, 1K certificates, 1K VIPs
- Tamper-proof

Intelligent Shelf (chassis)

Architecture
- Front-to-back cooling
- Passive mid-plane–dual GbE
- Separate management network
- Service indicator lights on Blades and Shelf front/back
- PSU-independent fans
- Hot-pluggable SSCs and PSUs

Capacity
- 16 Blades

Dimensions and Weight

Height 3RU
Width 17.64 in. (448.00 mm)
Depth without handles 24 in. (609.6 mm)
with handles 26.81 in. (681.00 mm)
Weight (empty) 27.21 lb. (12.34 kg)

Components

Dual Redundant Switch and System Controllers—each SSC features:
- Indicator lights: Power, fault, ready to remove
- Hot-pluggable CRU

Dual Redundant System Controllers—each System Controller features:
- Serial Console Port: RJ45
- Management Port: 10/100 BaseT RJ45

Dual Layer 2 Switches—each Layer 2 Switch features:
- 24 GbE Ports
- 16 ports to/from internal Blades
- 10 Gb internal switch fabric
- 8 copper GbE ports to/from external network or other Shelves

Dual Power Supply Units—each PSU features:
- Electrical: Auto-sensing 110–240 V
- Power: 1000 W max
- Indicator lights: AC in ok, DC out ok, fault, ready to remove
- Hot-pluggable CRU

External Storage (NAS)

Capacity
- 2 to 36 drives (1 hardware RAID, up to 2 additional expansion units)
- Scales from 72 GB to 2.6 TB (with 2 additional expansion units)
- Up to 840 GB storage per enclosure

Features
- Compatible with all standards-based NAS products
- Lower-profile, high-density dual GbE NAS
- High-performance file system and NAS software tools
- Redundant power supplies
- Hardware RAID
- Front-to-back cooling
- Supports NAS software suite: i.e. backup, point-in-time copy, hierarchical tree quotas, simple GUI volume/file system interface

Dimensions and Weight

Height 2RU
Depth 21 in. (533 mm)
Width 17.6 in. (447 mm)
Weight (maximum) 50 lb. (22.7 kg)

We make the net work.