



Ultra Series

CONTINUOUS AVAILABILITY COMPUTING

Better than five-9's of server uptime, hardware fault-tolerance, no recovery time, and complete Solaris compatibility: If you're serious about Continuous Availability, there's no better choice than the Resilience Ultra system. The Ultra's patented triple modular redundant (TMR) architecture prevents downtime and keeps your business-critical applications up and running. Even when a component fails, you don't lose any data or transaction information, saving your company time and money.

Unlike complex High Availability solutions, Resilience Continuous Availability servers are simple to manage, maintain, and administer.

CONTINUOUS AVAILABILITY

No downtime. No data loss. The Ultra server provides a Continuous Availability computing platform for all your mission-critical network and Internet infrastructure applications. If any hardware component fails—CPU, Memory, I/O Controller, Power Supply—your applications continue to run uninterrupted.

Continuous Uptime – Based on Resilience's patented Triple Modular Redundant (TMR) hardware architecture, the Ultra is comprised of three identical system modules running in synchronization. If any deviation in hardware or network operation is detected, the system operator is notified immediately while the two remaining modules vote off and shut down the offending unit. Meanwhile, the application continues to run unaffected on the remaining two modules. The result is better than 99.999% hardware availability.

Continuous Storage – With three independent fast/wide SCSI-2 channels, The Ultra is able to support a variety of disk configurations including disk mirroring, dual-controller RAID, or standard SCSI devices.

Continuous Networking – Each of the three modules in the Ultra features an independent 10/100Mbit Ethernet interface. Together the three provide a single logical network interface, sharing a single IP address. If a network interface failure occurs, one of the two remaining cards takes over without any loss of data.

CONTINUOUSLY SIMPLE

Appliance-like simplicity. The Ultra makes Continuous Availability effortless with easy systems administration, maintenance, deployment and support.

Simple Maintenance – If one of the three system modules fails, even a non-technical user can replace a failed module in less than 60 seconds. Failed modules identify themselves by a red light, eliminating any diagnostic guesswork.

Simple Administration – The only requirement is basic Solaris skills. No special training, testing or specialized software is necessary. A new Resilience system can be out of the box and running in less than 30 minutes.

Simple Service and Support – All systems come with a 1-year warranty that includes 24x7 support.

CONTINUOUS COMPATIBILITY

Ready to run. The Resilience Ultra runs on the rock-solid Solaris operating system. Choose from any of the 12,000 Solaris applications.



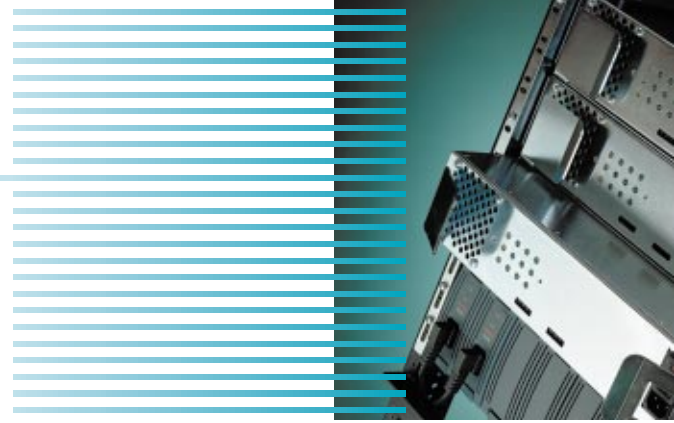
FEATURES

- Triple Modular Redundant Architecture
- Better than 99.999% hardware availability
- UltraSPARC II processor to 400 MHz
- Up to 1GB system memory
- Up to 4MB second-level cache
- Mirrored 9, 18, or 36GB disk drives
- Onboard triple redundant 10/100Mbit Ethernet interfaces with seamless failover
- 32-bit SBus slot for SCSI or Ethernet expansion
- Runs all Solaris applications



The Ultra Series

TECHNICAL SPECIFICATIONS



Triple Modular Redundant Design

Triple redundant voting architecture
Hot-swappable field replaceable modules

Processor Architecture

UPA Module-based SPARC version 9
Single 300, 360, 400 MHz UltraSPARC II
RISC Processor
Sun4u kernel architecture

Performance

300MHz with 2MB second level external cache
360MHz with 4MB second level external cache
400MHz with 4MB second level external cache

Memory

Capacity
64MB - 1024MB
Type
ECC, 60ns
SIMM Slots
Supports 200-pin 32MB, 64MB, and
128MB Sun Ultra-style SIMM modules in pairs

SCSI Interface

Onboard
Three fast/wide SCSI-2 channels with
standard 68-pin connectors supporting disk
mirroring or external RAID subsystems
Expansion Options
Fast-Wide SCSI
Ultra-Wide differential SCSI

Networking

Up to five 10/100Mbit Ethernet interfaces RJ45
connectors with autoselect

Serial Interface

High Speed RS-232C/RS-423 ports
with failover

SBus Expansion Options

One 32-bit SBus slot per module supporting:

- SBus 10/100Mbit/sec Ethernet/Fast-Wide SCSI Combo Card
- SBus Quad 10/100Mbit/sec Ethernet
- Ultra-Wide differential SCSI

Software

- Standard Solaris operating environment with modified Resilience kernel.
- Solstice Disk Suite

Environment

AC Power
100-240 VAC; 50-60 Hz
Operating
0°C to 40°C (32°F to 104°F), 5% to 95%
relative humidity, non-condensing
Nonoperating
-40°C to 70°C (-40°F to 158°F),
5% to 95% relative humidity, non-condensing

Dimensions

Rackmount Chassis
Height 18.8 inch 477.6mm
Width 11.8 inch 299.0mm
Depth 13.6 inch 344.5mm
Shipping weight 80lbs (36.3KG)

Field Replaceable Module

Height 17 inch 432mm
Width 3.6 inch 91mm
Depth 11 inch 279mm
Shipping weight 11.5lb (5.2KG)

Warranty/Service

One year warranty with 24 x 7 support
included. Extended warranty plans available.

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