ES3000 DATA SHEET



The PowerFrame ES Series of Enterprise Servers provides unmatched performance, availability and scalability in a range of models to meet a wide variety of enterprise-level networking applications. The ES Series begins with the PowerFrame ES3000. Engineered to support computeand I/O-intensive network applications in remote offices and small departments, the ES3000 provides value and scalable performance well beyond conventional superserver levels.

The PowerFrame ES3000 ensures high availability for business-critical networks with standard features including RAID technology,



disk hot sparing and redundant network interface card (NIC) capability, plus optional disk hot replacement, redundant power supplies and an Intelligent Management Subsystem.

Available in a uniprocessor configuration and scalable to four Intel Pentium[™] processors, the PowerFrame ES3000 easily accommodates file serving and compute-intensive tasks. Its balanced design, featuring the Intelligent Storage Subsystem (ISS), provides high performance for file serving applications, including multimedia and imaging. The ES3000 breaks the I/O bottleneck by offloading disk processing

Enterprise server engineered for remote offices and small departments requiring network-based application support and connectivity to centralized data tasks from the main CPU and EISA bus onto its ISS, an independent twochannel SCSI controller dedicated to disk I/O processing tasks. While other servers are slowed by I/O bottlenecks as more disk space and users are added, the ES3000's performance remains robust, protecting the network investment.

For CPU-intensive tasks, such as relational databases and decision support applications, the ES3000's multiple Pentium CPUs, combined with a symmetrical multiprocessing network operating system, provide outstanding performance with room to grow. The ES3000 further increases performance with special processor-to-processor and processor-to-memory optimization

techniques. Combine that performance with an attractive price and the ES3000 is the ultimate platform for a small office or department running multiprocessing operating systems and applications.

The PowerFrame ES3000's subsystems can scale independently, enabling users to add performance and capacity selectively as compute, disk and communications demands increase. With a price point and package attractive for smaller networks, the ES3000 brings enterprise server benefits to the remote office and small department, allowing you to economically grow your system as your needs change.

ES3000 SERIES FEATURES

CPU/CACHE SUBSYSTEM
1 to 4 ¹ *
MAIN MEMORY SUBSYSTEM
32 MBytes to 1.0 GByte
ELLIGENT STORAGE SUBSYSTEM
Two channel 1 to 4 ¹ 4 full height or 9 half height 0 to 5 Up to 56
EISA BRIDGE SUBSYSTEM
Standard ² Standard 3 Standard ³
IGENT MANAGEMENT SUBSYSTEM
Optional
VER AND COOLING SUBSYSTEM
500W to 1000W redundant 500W redundant

tems and Intelligent Storage Subsystems. ² VGA card uses 1 of the 9 EISA slots ³ Floppy drive uses 1 of the peripheral slots.



SPECIFICATIONS

Power Input Requirements:

100-120 VAC,

10 A, 60 Hz 220-240 VAC.

5 A. 60 Hz

100-120 VAC.

10 A 60 Hz

220-240 VAC

TUV: 220-240 VAC

Power Outlet Type:

100-120 VAC (U.S.)

220-240 VAC (U.S.)

Maximum Power

Heat Generated

5 A 60 Hz

5 A. 50 Hz

NEMA L5-20R

NEMA L6-20R

220-240 VAC International

IEC 309

1200W

4096 BTU/hr

POWER

UL: .

CSA: .

BASE	CABINET	DIMENSIONS	
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Height	37 in (70 cm)
Width:	22 in (56 cm)
Depth:	34 in (86 cm)
Weight: 2	250 lbs (113 kg)
	w/o SCSI devices

ENVIRONMENTAL SPECIFICATIONS

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Temperature:	
Operating:	50 F (10 C) to
	93 F (34 C)
Non-Operating:	-40 F (-40 C) to
an a	140 F (60 C)
Humidity:	
Operating:	20% to 80%
	(non-condensing)
Non-Operating:	8% to 90%
	(non-condensing)

OPERATING SYSTEMS

The PowerFrame ES Series is fully certified with the following environments and their multiprocessor versions where applicable:

- SCO UNIX OpenServer SunSoft Solaris 2.x
- Novell NetWare 3.x and NetWare 4.x
- Novell NetWare SFT III
- Novell UnixWare
- IBM OS/2.2 x
- Microsoft Windows NTAS
- Banyon ENS for SCO UNIX

AGENCY CERTIFICATIONS

- FCC
- · TUV
- UL · CSA
- · CE Mark

Benefits

- · Two-channel Intelligent Storage Subsystem enables high-performance serving by offloading main CPU and EISA of disk processing tasks.
- Scalable design supports up to 1.0 GByte of system memory and up to 56 half-height SCSI devices for resource-intensive environments.
- Up to four IntelDX2[™]/66MHz or Pentium[™] CPUs tightly coupled on the high-speed PowerBus provide high-performance for multiprocessing operating systems.
- Network Interface Card (NIC) load balancing and redundancy for Novell NetWare eliminates network I/O bottlenecks from saturated single NICs and ensures continued network operation, even if a NIC fails.
- Open system design lets you take advantage of new technologies without time-to-market delay.
- High-availability features include RAID 0, 1, 4, 5 and 10 and disk hot sparing, with optional disk hot replacement, redundant power supplies, disk duplexing, controller duplexing, live CPU fault recovery, redundant power supplies and the Intelligent Management Subsystem.

Microsoft[®]





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