Netra Proxy Cache Server

Data Sheet

High-performance Web caching for your network evolution.

The Netra Proxy Cache server -- a high-performance, scalable, carrier-grade Web caching system -- enables network service providers, content providers, and global enterprises to provide faster access to frequently used Internet/intranet content. By caching or replicating in-demand Web sites, the Netra Proxy Cache server reduces network congestion and connectivity costs. It also provides intelligent load-balancing across multiple cache servers, automatic failover for uninterrupted service, and on-the-fly scalability. Need to increase capacity? You can add Netra Proxy Cache servers on the fly -- without interrupting service. Easy to deploy and manage, these servers integrate seamlessly with your existing network -- and deliver superior price/performance.

HIGHLIGHTS

- Delivers faster Web access and increases network bandwidth by reducing redundant requests.
- Delivers uncompromising reliability and availability.
- Reduces cost of ownership by optimizing usage of network resources.
- Reduces network congestion and lowers connectivity costs.
- Intelligent load-balancing eliminates bottlenecks.
- Automatic failover ensures uninterrupted service.
- On-the-fly scalability means you can add cache servers as your needs grow -- without downtime.

NETRA PROXY CACHE SPECIFICATIONS

Models	**Netra Proxy Cache Server 30**	**Netra Proxy Cache Array 30**
Array Features	Upgrade option available	On-the-fly scalability, load balancing, IP failover, dynamic reconfiguration, service failover
Pre-installed software	Proxy Cache Server 1.0	Proxy Cache Array 1.0
Software Protocols	HTTP (Persistent Connections ("Keep Alive"), URL redirection, URL Hashing) FTP (PASV and PORT modes), Gopher, WAIS, Java Applets	
Security	SSL Tunneling, Reverse Proxy	
Filtering	IP based, domain based, protocol based, per HTTP method, per "Time of Day"	
Caching	Dynamic Caching, Hierarchical Caching, Proxy-only mode	
Cache Management	Immediate Forwarding, Asynchronous Disk I/O	
Cache Scalability	Cache Array Support, ICP Support	

Reliability	Dynamic Parent Failover
Channeling	Flexible parent selection (based on URL, time-of-day, protocol)
Logging	Squid and CERN compatible, per node statistics
Installation	Browser-based
System management	Browser-based administration, SNMP support
Hardware	
Processor	
Architecture	Superscalar SPARC ™ Version 9, UltraSPARC-II 250 MHz
Memory management	MMU with 64 I-TLB entries and 64 D-TLB entries, 8192 hardware supported contexts
System/Cache	Primary: 16-KB data and 16-KB instruction on-chip Secondary: 1- or 2-MB external
Main Memory	
Installed	128 MB
Expansion options	Total of 16 SIMM memory slots available, 32, 64 and 128MB SIMM • 256 MB max (w/16-MB SIMMs, in pairs) • 512 MB max (w/ 32-MB SIMMs, in pairs) • 1 GB max (w/ 64-MB SIMMs, in pairs) • 2 GB max (w/ 128-MB SIMMs, in pairs) Note: Install SIMMs in sets of four for best system performance
Standard Interfaces	
Network	Ethernet/Fast Ethernet: Twisted-pair standard (10-BaseT and 100-BaseT) or MII for external transceiver Additional PCI SunFastEthernet ™ card (100-BaseT) pre- installed in Netra Proxy Cache Array 30
I/O	40-MB/sec UltraSCSI (SCSI-3) (synchronous)
Expansion bus	Four full-size PCI slots compliant with PCI specification version 2.1; three slots operating at 33 MHz, 32- or 64-bit data bus width, 5 volt; one slot operating at 33 or 66 MHz, 32- or 64- bit data bus width, 3.3 volt
Mass Storage and Media	
Internal disk	2 x 4.2 GB, 7200 RPM
Internal media	644-MB SunCD ™ 12X-speed, 3.5-in floppy drive (1.44 MB)
Disk options	9.2 GB SPARCstorage ™ UniPack ™, 8.4- to 54.6GB SPARCstorage ™ Multi Pack™

Environment	
AC power	100-240 VAC, 47-63 Hz, 0.4 K VA
Operating	5° C to 40° C (41° F to 104° F) 20% to 80% relative humidity, noncondensing
Nonoperating	-40° C to 60° C (-40° F to 140° F) 5% to 95% relative humidity, noncondensing
Operating acoustic noise	5.9 bels
Idling acoustic noise	6.1 bels
Declared noise emissions in accordance with ISO 9296, measured at 23° C	
Regulations	.
Meets or exceeds the following requirements:	
Safety	UL1950, CSA C22.2 No 950, TUV EN60950, CB Scheme with Nordic deviations EMKO-TSE (74-SEC)203, ZH1/618
RFI/EMI	FCC Class B, DOC Class B, VCCI Class 2, EN55022 ClassB, EN 61000-3-2
Immunity	EN 50082-1
X-ray	DHHS 21 Subchapter J; PTB German X-ray Decree
Power management	Energy Star Compliant
Dimensions and Weights	
Height	45.0 cm (17.7 in.)
Width	19.0 cm (7.5 in.)
Depth	49.8 cm (19.6 in.)
Shipping weight	17.6 kg (38.8 lb.)