



SiliconGraphics
Computer Systems

WebFORCE™ CHALLENGE™ S is the dedicated high-performance Web server of the WebFORCE family, the content authoring and serving solution for the World Wide Web from Silicon Graphics. Based on the entry-level CHALLENGE family platform, it provides outstanding performance in a compact chassis with leading-edge I/O performance. The system smoothly handles thousands of Web transactions per minute.

Superior Architecture—Superior Performance

The WebFORCE CHALLENGE S system architecture maximizes performance with fast processors in a high-capacity bus. It supports both the 100MHz MIPS® R4600™ and the 150MHz MIPS R4400™ CPUs with 1MB of secondary cache. The system bus provides 267MB/sec bandwidth and a 400MB/sec bus from CPU to memory.

Tremendous I/O

WebFORCE CHALLENGE S comes standard with two Ethernets, one 10MB/sec Fast SCSI-2 channel, and two 20MB/sec Fast/Wide/Differential SCSI-2 channels. Further expansion is available via the two GIO slots, supporting additional SCSI, Ethernet, FDDI, ATM, and other third-party options.

The WebFORCE Server Software Solution

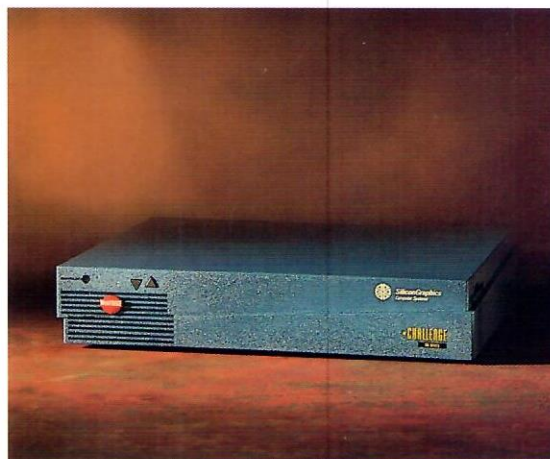
WebFORCE CHALLENGE S includes the Netsite™ Communications Server from Netscape Communications. The performance leader in World Wide Web server software, the Netsite Communication Server offers flexible configurability, scalability, and ease of administration using Netscape Navigator.™ The Netsite Communications Server is upgradeable to the Netsite Commerce server, which insures encrypted, safe electronic transactions.

Client/Server Strength

With a design heritage in distributed computing, the WebFORCE CHALLENGE S server provides excellent performance in a client/server environment. CHALLENGE family hardware holds the industry-leading LADDIS file server performance benchmark.

WebFORCE CHALLENGE S enables heterogenous workgroups to share files, images, and output

WebFORCE™ CHALLENGE™ S Network Resource Server



devices simply and inexpensively. The WebFORCE CHALLENGE S server supports PC NetWare™ and Macintosh® native client interfaces.

Robust Backup

Centralize your administration, management, and data archives with the cost-effective, high-performance WebFORCE CHALLENGE S. A scalable range of network backup/archive solutions is available using standard tape devices such as DAT and DLT, or by supporting optical jukeboxes and external tape robots.

Media-Ready

The high-bandwidth system architecture, ample storage, and superior I/O throughput make WebFORCE CHALLENGE S ideal for the digital media content of the Web. Distribute huge volumes of still images, audio, and video to your customers on the Internet or to your corporate team internally.

Manage your multimedia data with WebFORCE CHALLENGE S and media-capable database solutions. Track your customer preferences through these same database solutions.

With WebFORCE CHALLENGE S, you'll be prepared for newer data types as they are developed and introduced. You'll be able to incorporate new Web standards easily.



Processor Data

Microprocessor	MIPS R4600™@100MHz 64-bit RISC CPU MIPS R4400™@150MHz 64-bit RISC CPU
Processors	1
Primary Cache	16KB on-chip inst/data cache (R4600) 16KB on-chip inst/data cache (R4400)
Secondary Cache	1MB (R4400)

System Bus

Bus Speed	267MB/sec
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Memory System

Physical Memory	16MB to 256MB
Interleaving	1 or 2-way

High-Speed I/O System

Bus type	SGI GIO bus
Bandwidth	267 MB/sec
No. of slots	2

Mass Storage

SCSI-2 Fast/Wide Differential	
Interfaces	2
Max. Bandwidth	20MB/sec
Device Capacity	4.3GB formatted
Max. Configuration	15 devices per channel

SCSI-2 Fast/Narrow
Single-Ended

Interfaces	1
Max. Bandwidth	10MB/sec
Connector	50-pin, high-density
Drive Capacity	1GB internal, 2GB external, formatted
Max. Configuration	7 devices maximum

Mass Storage-Optional

GIO Expansion slots	1 SCSI II channel
Protocols	SCSI II, Fast, single-ended
Max. Bandwidth	10MB/sec per channel
Device Capacity	2GB, formatted
Max. Configuration	7 devices maximum

Removable Media

SCSI Devices	CD-ROM, DAT, FLOPTICAL, SYQUEST, QIC, DLT
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Communications

Integrated I/O	2x38.4 Kbps serial ports, 1x400Kbps parallel, AUI, ISDN, 2 Ethernet ports
GIO Options	Ethernet, FDDI, ATM (3rd pty), Sync. serial TokenRing, SCSI, JPEG compression

Dimensions & Weights

Dimensions	3"H x 16" W x 14"D
Net Weight	16 lbs (7.2 kg)

Environmental (Non-Operating)

Temperature	-40 to +65 C
Humidity	5% to 95% non-condensing
Altitude	40,000 MSL

Environmental (Operating)

Temperature	+13 to +35 C
Humidity	10% to 80% non-condensing
Altitude	10,000 MSL
Noise	36 dBA
Vibration	0.02in, 5-19Hz0.35G, 5-500Hz

Electrical & Power

Voltage-standard	100-132/200-264 VAC
Frequency	47/63 Hz
Heat Dissipation	1000 BTU/hr, maximum

Software

Web Serving	Netsite Communications Server 1.0 (Netscape Navigator required for installation/administration)
IRIX™ 5.3	IEEE POSIX 1003.1, FIPS 151-1, UNIX® System V.4, 4.3 BSD enhancements, SVID Issue 3, X11R5 Window System™, OSF/Motif™ Toolkit 1.2, Display PostScript®, IRIS GL™, OpenGL®

Compilers	ANSI C, C++, Fortran77, Ada, Pascal
Server Software	IRIS NetWorker™, IRIS Volume Manager™ (optional)
Programming Env.	Developer Magic™ ProDev
Graphics	OpenGL, IRIS GL™
Networking	TCP/IP, NFS™, DECnet™ LAT emulator, IBM® 3270, SNA3270™, SNA3770™, SNA LU6.2™, NetVisualyzer™, SPECTRUM® SNMP management, SNMP MIB agent
PC/Macintosh® Integration	Support for third-party AppleTalk® and Netware™ server software, support for PC and Mac 3.5" floppies

Regulatory Agency Approvals

Electromagnetic Emission	FCC Class A Canada DOC. Class A CISPR 22 Class A Germany VDE Class A VCCI Class 1
Product Safety	UL 1950 CSA 22.2 (#950) IEC 950 EN 60-950 Class 1 SELV
Ergonomic/Health	Germany ZH618

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