

# SiliconGraphics CHALLENGE Server Periodic Table August, 1996

**CHALLENGE XL  
R1000**  
Processor/Speed  
2MB SC

CHALLENGE XL	CHALLENGE XL	CHALLENGE XL	CHALLENGE XL	CHALLENGE XL	CHALLENGE XL	CHALLENGE XL
2XR10000/195 2MB SC	4XR10000/195 2MB SC	8XR10000/195 2MB SC	12XR10000/195 2MB SC	16XR10000/195 2MB SC	36XR10000/195 2MB SC	

**CHALLENGE XL  
R1000**  
Processor/Speed  
NFS ops/s  
1MB SC

CHALLENGE XL	CHALLENGE XL	CHALLENGE XL	CHALLENGE XL	CHALLENGE XL	CHALLENGE XL	CHALLENGE XL
2XR10000/195 1MB SC	4XR10000/195 1MB SC	8XR10000/195 1MB SC	12XR10000/195 1MB SC	16XR10000/195 1MB SC	36XR10000/195 1MB SC	

**CHALLENGE XL  
R4400**  
Processor/Speed  
NFS ops/s  
4MB SC

CHALLENGE XL	CHALLENGE XL	CHALLENGE XL	CHALLENGE XL	CHALLENGE XL	CHALLENGE XL	CHALLENGE XL
2XR4400/250 9213 4MB SC	4XR4400/250 17985 4MB SC	8XR4400/250 34982 4MB SC	12XR4400/250 9274 4MB SC	16XR4400/250 4MB SC	36XR4400/250 4MB SC	

**CHALLENGE L  
R1000**  
Processor/Speed  
2MB SC

CHALLENGE L	CHALLENGE L	CHALLENGE L	CHALLENGE L
2XR10000/195 2MB SC	4XR10000/195 2MB SC	8XR10000/195 2MB SC	12XR10000/195 2MB SC

**CHALLENGE L  
R1000**  
Processor/Speed  
NFS ops/s  
1MB SC

CHALLENGE L	CHALLENGE L	CHALLENGE L	CHALLENGE L	CHALLENGE L
1XR10000/195 1MB SC	2XR10000/195 1MB SC	4XR10000/195 1MB SC	8XR10000/195 1MB SC	12XR10000/195 1MB SC

**CHALLENGE L  
R4400**  
Processor/Speed  
NFS ops/s  
4MB SC

CHALLENGE L	CHALLENGE L	CHALLENGE L	CHALLENGE L
2XR4400/250 4MB SC	4XR4400/250 4417 4MB SC	8XR4400/250 4MB SC	12XR4400/250 9274 4MB SC

**CHALLENGE DM  
R4400**  
Processor/Speed  
NFS ops/s  
1MB SC

CHALLENGE DM	CHALLENGE DM	CHALLENGE DM
1XR4400/250 1463 1MB SC	2XR4400/250 2294 1MB SC	4XR4400/250 4045 1MB SC

**CHALLENGE S  
R5000SC**  
Processor/Speed

**CHALLENGE S**  
1XR5000SC/180

**CHALLENGE S  
R5000PC**  
Processor/Speed

**CHALLENGE S**  
1XR5000PC/150

1 CPU	2 CPUs	4 CPUs	8 CPUs	12 CPUs	16 CPUs	36 CPUs
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CHALLENGE Memory Options		
	Addl Memory	Leaves
F7O-64UP256-D1**	256MB	1
F7O-64UP512-D2**	512MB	2
F7O-64UP1GB-D2**	1GB	2
F7O-64UP2GB-D2**	2GB	2
F7O-64UP2GB-D4**	2GB	4
F7O-64UP2GB-D8**	2GB	8
F7O-64UP4GB-D8**	4GB	8
F7O-64UP512-4**	512MB	4
F7O-64UP1GB-4**	1GB	4
F7O-64UP2GB-8**	2GB	8
F7O-64UP256-2**	256MB	2
F7O-64NC**	64MB	1
F7O-64UP512-2**	512MB	2

CHALLENGE RETURN CREDITS		
	System	Processor Type
CR-449	L, XL	4-R4400/250 MHz
CR-249	L, XL	2-R4400/250 MHz
CR-448-4MB	L, XL	4-R4400/200 MHz
CR-248-4MB	L, XL	2-R4400/200MHz
CR-445	L, XL	4-R4400/150MHz
CR-245	L, XL	2-R44000/150 MHz
CR-2-48-S3	DM	2-R4400/200 MHz
CR-1-48-S3	DM	1-R4400/200 MHz

CHALLENGE Processor Upgrade Options		
	Systems	Processor Type
HU-248-S3	DM	2-R4400/200MHz
HU-448-S3	DM	4-R4400/200MHz
HU-249-S3	DM	2-R4400/250MHz
HU-449-S3	MD	4-R4400/250MHz
HU-248-4MB	L, XL	2-R4400/250MHz
HU-448-4MB	L, XL	4-R4400/250MHz
HU-295-4MB	L, XL	2-R10000
HU-297-4MB	L, XL	2-R10000
HU-495-4MB	L, XL	4-R10000
HU-497-4MB	L, XL	4xR10000

**Performance**

1 SPECint92/SPECfp92  
 - R4400/150MHz: SPECint92=93.7, SPECfp92=971  
 - R4400/200MHz SPECint92=142.2, SPECfp92=143.3  
 - R4400/250MHz SPECint92=180.2, SPECfp92=177.5

\* Rack based systems  
 \*\* Only one F7O Option for each system ordered

R10000 SPECint95 = 7.5, SPECfp95 = 11.5  
 R5000 SPECint95 = 4.5, SPECfp95 = 4.4

Note: R4400 → SpecInt92  
 R10000, R5000 → SPECint95