



# Millennium™ Coupling Servers 700 Models



- ▶ **High performance for the most demanding data sharing environments**
- ▶ **Availability that keeps up with outstanding performance**
- ▶ **Flexibility that puts the customer in charge**
- ▶ **S/390 compatibility with innovation**

## Specifications

### Advanced technology and design

Amdahl Coupling Control Code™	Parallel Sysplex coupling facility functionality
Coupling connectivity	To 5995M processors, Millennium Global Servers, and other Parallel Sysplex capable processors
Coupling link support	From 2 to 64 coupling links supported
System on a board	Processors, memory, I/O processors
QuickAvailability™	Dynamic: QuickCapacity™, QuickSwitch™, QuickChannels™, QuickMemory™
ConServ™ (concurrent service)	Firmware, coupling links, and fans
Multiple Domain Feature™	up to 15 domains
IC technology	.25-micron complementary metal oxide semiconductor (CMOS)
Level 1 cache (high-speed buffer)	256 KB per CPU, split equally between instructions and data
Level 2 cache	2 MB per CPU, up to 22 MB shared

### Physical characteristics

	Minimum Configuration (CS714: 512 MB, 2 Coupling Links)	Maximum Configuration (CS725: 16 GB, 64 Coupling Links)
Floor space without service clearance	16.1 ft <sup>2</sup> 1.5 m <sup>2</sup>	16.1 ft <sup>2</sup> 1.5 m <sup>2</sup>
Floor space with service clearance	43.0 ft <sup>2</sup> 4.0 m <sup>2</sup>	43.0 ft <sup>2</sup> 4.0 m <sup>2</sup>
Approximate weight	2200 lb 1000 kg	2200 lb 1000 kg
Approximate power requirements (50/60 Hz; 200-240 Vac, 380-415 Vac; 3 phase)	1.99 kVA	4.69 kVA
Approximate heat dissipation	6.45 kBTU/hr	15.22 kBTU/hr
Temperature requirements* raised floor	50° F - 90° F 10° C - 32° C	
Humidity requirements	20% - 80%	

\* At altitudes above 5,000 ft (1,525 m), lower the maximum underfloor and room temperature 3.6° F for every 1,000 ft (2° C for every 305 m), up to 7,000 ft (2,135 m). For higher altitudes, consult an Amdahl representative.

### Models CPUs

CS714	1
CS715	1
CS722	2
CS725	2
CS732	3
CS735	3
CS745	4
CS755	5
CS765	6
CS775	7
CS782	8
CS785	8
CS795	9
CS7X5	10
CS7Y5	11
CS7Z5	12

### Configuration options

	Min	Max	Configuration
Memory	512 MB	16 GB	512 MB, 1 GB, 1.5 GB, 2 GB, 2.5 GB, 3 GB, 3.5 GB, 4 GB, 5 GB, 6 GB, 7 GB, 8 GB, 10 GB, 12 GB, 16 GB
Coupling Links	2	64	Increment=1

### Upgrade paths

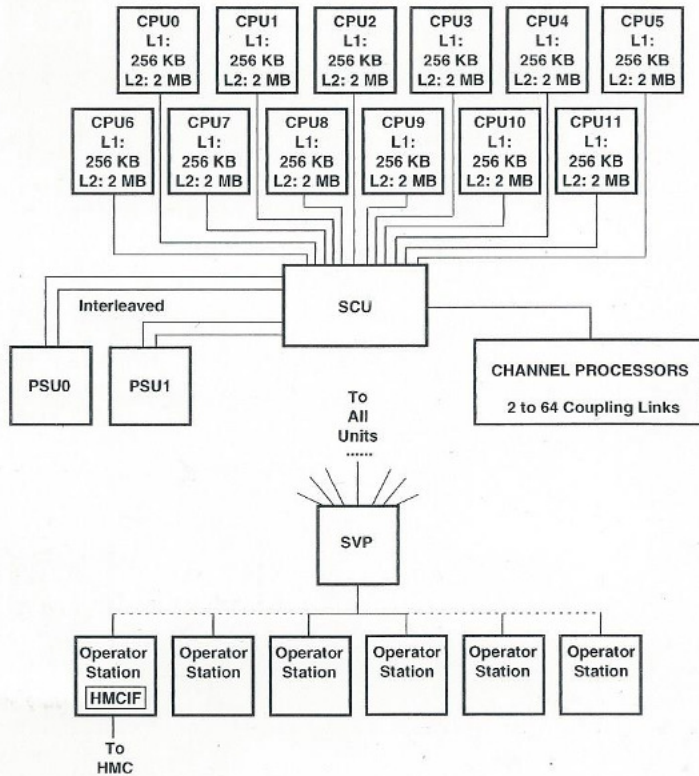
From	To
CS714	CS722, 725, 732, 735, 745, 755, 765, 775, 782, 785, 795, 7X5, 7Y5, 7Z5
CS715	CS722, 725, 732, 735, 745, 755, 765, 775, 782, 785, 795, 7X5, 7Y5, 7Z5
CS722	CS725, 732, 735, 745, 755, 765, 775, 782, 785, 795, 7X5, 7Y5, 7Z5
CS725	CS732, 735, 745, 755, 765, 775, 782, 785, 795, 7X5, 7Y5, 7Z5
CS732	CS735, 745, 755, 765, 775, 782, 785, 795, 7X5, 7Y5, 7Z5
CS735	CS745, 755, 765, 775, 782, 785, 795, 7X5, 7Y5, 7Z5
CS745	CS755, 765, 775, 782, 785, 795, 7X5, 7Y5, 7Z5
CS755	CS765, 775, 782, 785, 795, 7X5, 7Y5, 7Z5
CS765	CS775, 782, 785, 795, 7X5, 7Y5, 7Z5
CS775	CS782, 785, 795, 7X5, 7Y5, 7Z5
CS782	CS785, 795, 7X5, 7Y5, 7Z5
CS785	CS795, 7X5, 7Y5, 7Z5
CS795	CS7X5, 7Y5, 7Z5
CS7X5	CS7Y5, 7Z5
CS7Y5	CS7Z5
CS7Z5	—

### Conversion paths to Millennium Global Servers

Millennium Coupling Servers (CS7XX) are upgradeable to Millennium Global Servers (GS7XX).

## Specifications

### System organization\*



CH:	Channel	L1:	Level 1 Cache
CHP:	Channel Processor	L2:	Level 2 Cache
CPU:	Central Processing Unit	PSU:	Processor Storage Unit
HMC:	Hardware Management Console	SCU:	System Control Unit
HMCIF:	HMC Interface Feature	SVP:	Service Processor

\*The number of CPUs installed is model dependent.

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