

Symmetrix 5700-47

Mainframe and Open Systems Specifications

Sample Configuration Data

Physical Disks	Mirrored Capacity (GB)*		SRDF Capacity (GB)*		Maximum Cache (MB)**
	Mainframe	Open	Mainframe	Open	
16	369	374	739	749	4,096
32	739	749	1,479	1,498	4,096
48	1,109	1,123	2,219	2,247	4,096
64	1,479	1,498	2,958	2,996	4,096
80	1,849	1,872	3,698	3,745	4,096
96	2,219	2,247	4,438	4,494	4,096
112	2,588	2,621	5,177	5,243	4,096
128	2,958	2,996	5,917	5,992	4,096

Note: Hyper-Volume Extension can increase the number of logical volumes to 1,024, maximum.

*All capacities are based on 1GB=1,000,000,000 bytes.

**Individual model cache capacities are based upon specific configurations and customer requirements.

Host Connectivity

All Models	Mainframe		Open Systems	
	Min.	Max.	Min.	Max.
ESCON®	4	32	–	–
Parallel	8	32	–	–
Fibre Channel*	–	–	4	16
Ultra SCSI*	–	–	8	32
FWD SCSI*	–	–	8	32

Note: Mixed ESCON, Parallel, FWD SCSI, Ultra SCSI, and Fibre Channel interfaces are supported.

*ESP-5700 software is required to run Fibre Channel, Ultra SCSI or FWD SCSI.

Disk Emulation

	3380K	3390-1	3390-2	3390-3	3390-9	FBA
MB/Volume	1,891	946	1,892	2,838	8,514	10,064
Bytes/Track	47,476	56,664	56,664	56,664	56,664	32,768
Bytes/Cylinder	712,140	849,960	849,960	849,960	849,960	491,520
Cylinders/Volume	2,655	1,113	2,226	3,339	10,017	20,478

Hyper-Volume Extension (HVE)

Emulation Mode*	Mainframe					Open Systems	
	3380K	3390-1	3390-2	3390-3	3390-9**	2GB	4GB**
Maximum Complete Logical Volumes	16	16	16	16	5	16	10

Hyper-Volume Extension provides the ability to configure a single physical disk device as multiple logical volumes in logical to physical relationships ranging from 1:1 to 16:1.

*A single physical disk device can support multiple model types within a single data format emulation mode.

**This emulation mode provides additional space on the physical disk device for use as either a lower than full capacity logical volume for the specified emulation mode, or as a different, smaller model type within the same emulation mode.

Power Specifications

	North America	International
Input Voltage (VAC)	208	Country Specific
Frequency (Hz)	60, three phase, 4 wire	Country Specific
Circuit Breaker (Amps), max.	30	Country Specific
User Connector	Russelstoll® 3934 flex Russelstoll 3754 rigid	Country Specific
Power Connector	Russelstoll 3760	Country Specific
Auto-Call Modem Requirements	The Auto-Call modem requires connection to a 110VAC power source at 60Hz through a NEMA 5-15R receptacle. International installations are country specific.	

Weight*

Physical Volumes	16	32	48	64	80	96	112	128
Weight (lb/kg)	2,466/ 1,120	2,594/ 1,178	2,722/ 1,236	2,850/ 1,294	2,978/ 1,352	3,106/ 1,410	3,234/ 1,468	3,362/ 1,526

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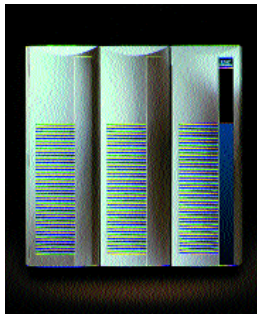
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Multihost Support

Vendor	System	Minimum Operating System
Bull®	Escala, PowerCluster, and Sagister	AIX 4.2
DEC®	AlphaStation and AlphaServer Series 3000 AXP, Models: 300-900, 1000, 2000, 2100, 4000/4100, 8200, & 8400	Digital® UNIX® V3.2A, OpenVMS® V6.2, Windows NT® V3.5.1
Data General®	Avion® 5500 (88K-based), 4900/5000 (Intel-based)	DG/UX® R4.11 MU03
Data General	AV4900, AV5900 (Pentium®)	Windows NT V4.0
HP®	3000/900 Series	MPE/ix 5.0
HP	9000/700 Series: 725/100, 735/99, 735/125, 755/99, 755/125, 715/100XC, B-Series, C-Series, J-200, J-210, J-210CX, J-250	HP-UX® 9.05, 10.01
HP	9000/800 Series: E, F, G, H, I, T500, D-Class, K-Class, T600 TFC	HP-UX 9.04, 10.01, 10.20 TFC
HP	V-Class, V-2200	HP-UX 11.0
HP	Netserver	Windows NT V4.0 SP3
IBM®	AS/400® (all 9406 including RISC, except Model B)	OS/400® V2R3
IBM	RS/6000™	AIX® 3.2.5, 4.2.1
IBM	SP2®	AIX 3.2.5
IBM	S/390® & S/370™	Any
Intel®-Based Servers	All	Novell® 3.12, Windows NT 3.5, or OS/2® 2.1
NCR®	34xx, 35xx, 41xx, 45xx, 3600AP, 5100 (S, C, M), 4300, 4700 (8-node), 5150 (128-node)	UNIX SVR4 2.03.01 & 3.01, Windows NT 4.0
Sequent®	Symmetry® 2000 & 5000, NUMA-Q	DYNIX/ptx® 2.1.5, 4.3.0
Siemens-Nixdorf®	RM 400/600	SINIX® V5.42
Siemens-Nixdorf	400C/600E	Reliant UNIX V5.43C10
Siemens-Pyramid®	Nile® Series, RM1000	DataCenter® OSx 94D079.6, 95M079
Silicon Graphics®	Challenge® S, L, DM, & XL	IRIX® 5.3
Silicon Graphics	Origin 200 and 2000	IRIX 6.4.1
Sun®	SPARCserver® and SPARCcenter 10, 20, 1000, 2000	SunOS® 4.1.3, Solaris® 2.3
Sun	UltraSPARC PCI-based, Ultra, Netra, & UltraEnterprise 10000 workstations and servers	Solaris 2.5, 2.5.1
Unisys®	ClearPath™ IX, NX	OS/MCP, OS/2200
Unisys	Aquanta™ Series servers	UNIX SVR4 R1.4, Windows NT 4.0

Note: Contact your local EMC sales representative for specific hardware and software configurations.

Available Software

Model Number	Description
ESP-5700	ESP Enabler software license
FDRSOS	Fast Dump/Restore, Safeguard Open Systems software license*
OSYMG-BAS	Symmetrix Manager for Open Systems, Base Component software license
OSYMG-CTL	Symmetrix Manager for Open Systems, Control Option software license (requires OSYMG-BAS)
PowerPathxxx	EMC PowerPath suite of software licenses
SDM-5700	Symmetrix Data Migration Services software license
SMTF-5700	Symmetrix Multihost Transfer Facility software license (requires ESP)
SRDF-5700	Symmetrix Remote Data Facility software license
SRDF-5000 FP	Symmetrix Remote Data Facility FarPoint software license (requires SRDF-5700)
SRDF-HC	SRDF Host Component software license
SYMMGR	Symmetrix Manager Base Component software license
SYMPRF	Symmetrix Manager Performance Option software license (requires SYMMGR)
TimeFinder-5000	EMC TimeFinder software license

*See an Innovation Data Processing sales representative for additional information.

Physical Specifications*

Model Series	Height** (in/cm)	Width (in/cm)	Depth (in/cm)	Front Service Area (in/cm)	Rear Service Area (in/cm)
5700	74.9/190.3	68.7/174.5	36.4/92.5	48.0/122.0	36.0/91.5

**An additional 18 inches (45.7cm) is required for ceiling/top clearance.

Power and Cooling Data*

Physical Volumes	16	32	48	64	80	96	112	128
Power Consumption (kVA)	3.05	3.62	4.19	4.80	5.34	5.90	6.48	7.05
Heat Dissipation (Btu/hr)	10,414	12,364	14,315	16,265	18,215	20,165	22,116	24,066

Environmental Specifications (operating)

Temperature (°F/°C)	59–90°F/10–38°C
Altitude (ft/m), max.	8,000/2,500
Humidity (%), non-condensing	10–80/5–99 (non-operating)
Raised Floor	Required

*Values represent maximum figures for each configuration.



MEMBER
<http://www.raid-advisory.com/emc.html>



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Specification Sheet
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