

Symmetrix 5630-18/-36

Mainframe and Open Systems Specifications

Sample Configuration Data

5630-18 Models

Physical Disks	Mirrored Capacity (GB)*		SRDF Capacity (GB)*		Maximum Cache (MB)**
	Mainframe	Open	Mainframe	Open	
4	35	36	71	72	8,192
8	71	72	143	144	8,192
12	107	108	214	217	8,192
16	143	144	286	289	8,192
24	214	217	429	434	8,192
32	286	289	572	579	8,192

5630-36 Models

Physical Disks	Mirrored Capacity (GB)*		SRDF Capacity (GB)*		Maximum Cache (MB)**
	Mainframe	Open	Mainframe	Open	
4	71	72	143	144	8,192
8	143	144	286	289	8,192
12	214	217	429	434	8,192
16	286	289	572	579	8,192
24	429	434	859	868	8,192
32	572	579	1,145	1,158	8,192

Note: Hyper-Volume Extension can increase the number of logical volumes to 1,024 maximum. Configurations of mixed 18GB and 36GB disks are allowed.

*All capacities are based on 1GB=1,000,000,000 bytes. For AS/400 capacities, contact your EMC sales representative.

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

Host Connectivity

5630 Series	Mainframe		Open Systems	
	Min	Max	Min	Max
ESCON®	4	16	–	–
Parallel	8	16	–	–
Fibre Channel*	–	–	4	8
Ultra SCSI*	–	–	8	16
FWD SCSI*	–	–	8	16

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

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

Disk Emulation

5630 Series	3380K	3390-1	3390-2	3390-3	3390-9	FBA
MB/Volume	1,891	946	1,892	2,838	8,514	15,979*
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	32,510*

*Values represent maximum figures for each configuration.

Hyper-Volume Extension (HVE)

Emulation Mode*	Mainframe					Open Systems	
	3380K**	3390-1	3390-2**	3390-3**	3390-9**	2GB**	4GB**

5630-18 Models

Maximum Complete Logical Volumes	9	18	9	6	2	8	4
----------------------------------	---	----	---	---	---	---	---

5630-36 Models

Maximum Complete Logical Volumes	18	32	18	12	4	16	8
----------------------------------	----	----	----	----	---	----	---

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 32:1.

*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.

EMC Corporation
Hopkinton
Massachusetts
01748-9103

1-508-435-1000

In North America
1-800-424-3622 ext. 362

www.EMC.com



Available Software*

Information Protection	Symmetrix Remote Data Facility (SRDF) EMC TimeFinder Symmetrix Data Migration Services (SDMS)
Information Sharing	Symmetrix Enterprise Storage Platform (ESP) EMC InfoMover
Information Management	Symmetrix Manager EMC PowerPath EMC Volume Logix EMC Data Manager (EDM) FDR Family**

*Contact your EMC sales representative for software license model numbers, prerequisites, and additional information.

**Contact Innovation® Data Processing for information on the FDR family of backup/restore software products.

Multihost Support

Symmetrix Enterprise Storage systems support all popular hardware and operating system platforms and high availability cluster environments, including those from the vendors listed below. Contact your EMC representative for specific hardware, software, and cluster configuration support. Detailed host and cluster support information can be found at the following URLs: www.emc.com/products/enterprise_storage_systems/open_sys_matrix.htm (host support) and www.emc.com/products/enterprise_storage_systems/clustered_host_matrix.htm (cluster support).

Vendor

Bull®	IBM®	Sequent®	Sun Microsystems®
Compaq®/DEC®	ICL®	Siemens®	Unisys®
Data General®	Intel®-Based Servers	Silicon Graphics®	Windows NT® Servers
Hewlett Packard®	NCR®	Stratus®	

Physical Specifications*

5630 Series	Height** (in/cm)	Width (in/cm)	Depth (in/cm)	Front Service Area (in/cm)	Rear Service Area (in/cm)
	46.0/116.9	21.0/53.3	36.0/91.5	36.0/91.5	36.0/91.5

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

Weight*

Physical Volumes	4	8	12	16	24	32
Weight (lb/kg)	547/249	560/255	572/260	585/266	609/277	634/288

Power and Cooling Data*

Physical Volumes	4	8	12	16	24	32
5630 Series						
Power Consumption (kVA)	0.80	0.91	1.02	1.14	1.36	1.59
Heat Dissipation (Btu/hr)	2,726	3,110	3,493	3,877	4,644	5,411

Power Specifications

	North America	International
Input Voltage (VAC)	208	Country Specific
Frequency (Hz)	60, single phase	Country Specific
Circuit Breaker (Amps), max.	20	Country Specific
User Connector	(2)Russellstoll® 3913 flex (2)Russellstoll 3743 rigid	Country Specific
Power Connector	(2)Russellstoll 3720	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.	

Note: 5630-18/-36 now comes with two power connectors.

Environmental Specifications (operating)

Temperature (°F/°C)	59–90°F/10–38°C
Altitude (ft/m), max.	8,000/2,500
Humidity (%), non-condensing	20–80
Raised Floor	Required for parallel connections; recommended for all other connections

*Values represent maximum figures for each configuration.



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



The information presented here is summary in nature, subject to change, and intended for general information only. Additional details and specifications concerning the operation and use of EMC equipment and software are available in the applicable technical literature.

EMC, EMC², and Symmetrix are registered trademarks, and TimeFinder, DataReach, InfoMover, EDM, PowerPath, The Enterprise Storage Company, EMC Enterprise Storage, and SRDF are trademarks of EMC Corporation. Other trademarks are the property of their respective owners. RAB is a Certification Mark of the RAID Advisory Board, St. Peter, MN, 507-931-0967.

© 1999 EMC Corporation. All rights reserved.
Printed in the USA. 1/99