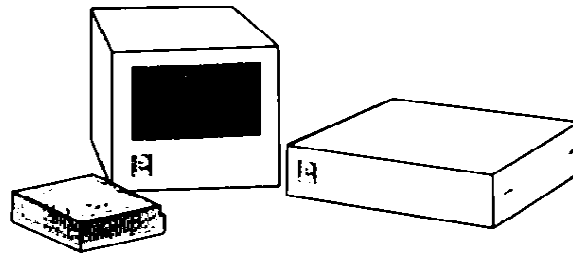




Internal and External SCSI drive systems for network file servers and high-end workstations



Procom Technology's line of SCSI drives offer a full range of high performance solutions for today's performance requirements. Boasting transfer rates of up to 40MB/sec (Ultra SCSI),

they are the ideal upgrade product for network file servers and workstations which simply need more room.

All of our SCSI drives are available in both internal (SI series) and external (MD series) configurations, and feature access times as low as 6.5ms and an 800,000 hour MTBF. Our internal solutions can be custom kitted for the most popular machines such as IBM, Compaq, and Hewlett Packard.

Features	Benefits
<ul style="list-style-type: none"> ● Internal/External Configuration Universal Applications ● 1.0GB to 9.1GB Capacities ● 800,000 hour MTBF ● 6.5ms access time 	<ul style="list-style-type: none"> ● Ideal for disk-intensive ● Reliability for 24/7 applications ● Premium performance products

All Procom Technology products incorporate meticulous design and superior engineering to ensure all solutions deliver uncompromising quality. Each Procom Technology product is rigorously tested under the most adverse conditions.



Internal and External SCSI Systems Specifications				
	Si 544	Si 1003	Si 2003	Si 2103
SPECIFICATIONS				
Interface Type	FAST SCSI-2	FAST SCSI-2	FAST SCSI-2	FAST SCSI-2
Formatted Capacity	541 MB	1,080.23 MB	2,160 MB	2,147 MB
PERFORMANCE				
Average Seek Time (ms)	12	12.5	8.5	9
Max. Asynchronous Transfer Rate (MB/sec)	5.0	5.0	5.0	10
Max. synchronous Transfer Rate (MB/sec)	10	10	10	10
Sustained Transfer Rate (MB/sec)	2.5 to 3.7	33 to 65	3.85 to 5.75	5.3 to 8.94
Rotational Speed (rpm)	5,400	5,376	5,400	7,200
Average Latency (ms)	5.56	5.6	5.56	4.17
Buffer Size (KB)	64	128	448	512
MTBF (hrs)	300,000	300,000	800,000	800,000
MECHANICAL CHARACTERISTICS				
Number of Cylinders (logical)	4,901	4,826	2,149	3,711
Number of Data Heads (logical)	2	4	5	11
Sectors per Track (logical)	108	116	148	86 to 125
Total Number of Sectors	1,056,768	2,109,840	4,226,725	4,306,615
ENVIRONMENTAL CHARACTERISTICS				
Operating Temperature (F/C)	41-131/5-55	41-122/5-50	41-122/5-50	41-131/5-55
Non-Operating Temperature (F/C)	-40 to 158/-40 to 70	-40 to 158/-40 to 70	-40 to 149/-40 to 65	-40 to 158/-40 to 70
Operating Humidity (% , non-cond.)	8 to 80	8 to 90	8 to 90	5 to 95
DC INPUT REQUIREMENTS (internal models only)				
5 Volt, Startup	0.57	1.1	.46	1.4
5 Volt, Typical	0.23	0.70	0.25	0.99
12 Volt, Startup	1.16	2	1.1	1.93
12 Volt, Typical	0.6	0.75	0.9	0.6

AC INPUT REQUIREMENTS (external models only)				
Voltage Range (volts)	90 to 264	90 to 264	90 to 264	90 to 264
Frequency Range (hertz)	47 to 63	47 to 63	47 to 63	47 to 63
AC Max. Power (watts)	47	47	47	47
AC Typ. Power (watts)	21	21	21	21
INTERNAL DRIVE PHYSICAL CHARACTERISTICS				
Dimensions (H x W x D inches)	1.0 x 4.0 x 5.75	1.0 x 4.0 x 5.75	1.0 x 4.0 x 5.75	1.0 x 4.0 x 5.75
Weight (lbs/kg)	1.2/0.545	1.3/0.57	1.3/0.57	1.2/0.54
EXTERNAL DRIVE PHYSICAL CHARACTERISTICS				
Dimensions (H x W x D inches)	2.4 x 9.6 x 10.5	2.4 x 9.6 x 10.0	2.4 x 9.6 x 10.5	2.4 x 9.6 x 10.5
Weight (lbs/kg)	4.89/2.222	4.89/2.222	4.89/2.222	4.89/2.222

	Si 544/C	Si 1003/C	Si 2003/C	Si 2103/C
SPECIFICATIONS				
Interface Type	FAST SCSI-2	FAST SCSI-2	FAST SCSI-2	FAST SCSI-2
Formatted Capacity	541 MB	1,080.23 MB	2,160 MB	2,147 MB
PERFORMANCE				
Average Seek Time (ms)	12	12.5	8.5	9
Max. Asynchronous Transfer Rate (MB/sec)	5.0	5.0	5.0	10
Max. synchronous Transfer Rate (MB/sec)	10	10	10	10
Sustained Transfer Rate (MB/sec)	2.5 to 3.7	33 to 65	3.85 to 5.75	5.3 to 8.94
Rotational Speed (rpm)	5,400	5,376	5,400	7,200
Average Latency (ms)	5.56	5.6	5.56	4.17
Buffer Size (KB)	64	128	448	512
MTBF (hrs)	300,000	300,000	800,000	800,000
MECHANICAL CHARACTERISTICS				
Number of Cylinders (logical)	4,901	4,826	2,149	3,711
Number of Data Heads (logical)	2	4	5	11
Sectors per Track (logical)	108	116	148	86 to 125
Total Number of Sectors	1,056,768	2,109,840	4,226,725	4,306,615
ENVIRONMENTAL CHARACTERISTICS				

Operating Temperature (F/C)	41-131/5-55	41-122/5-50	41-122/5-50	41-131/5-55
Non-Operating Temperature (F/C)	-40 to 158/-40 to 70	-40 to 158/-40 to 70	-40 to 149/-40 to 65	-40 to 158/-40 to 70
Operating Humidity (% , non-cond.)	8 to 80	8 to 90	8 to 90	5 to 95
DC INPUT REQUIREMENTS (internal models only)				
5 Volt, Startup	0.57	1.1	.46	1.4
5 Volt, Typical	0.23	0.70	0.25	0.99
12 Volt, Startup	1.16	2	1.1	1.93
12 Volt, Typical	0.6	0.75	0.9	0.6
AC INPUT REQUIREMENTS (external models only)				
Voltage Range (volts)	90 to 264	90 to 264	90 to 264	90 to 264
Frequency Range (hertz)	47 to 63	47 to 63	47 to 63	47 to 63
AC Max. Power (watts)	47	47	47	47
AC Typ. Power (watts)	21	21	21	21
INTERNAL DRIVE PHYSICAL CHARACTERISTICS				
Dimensions (H x W x D inches)	1.0 x 4.0 x 5.75	1.0 x 4.0 x 5.75	1.0 x 4.0 x 5.75	1.0 x 4.0 x 5.75
Weight (lbs/kg)	1.2/0.545	1.3/0.57	1.3/0.57	1.2/0.54
EXTERNAL DRIVE PHYSICAL CHARACTERISTICS				
Dimensions (H x W x D inches)	2.4 x 9.6 x 10.5	2.4 x 9.6 x 10.0	2.4 x 9.6 x 10.5	2.4 x 9.6 x 10.5
Weight (lbs/kg)	4.89/2.222	4.89/2.222	4.89/2.222	4.89/2.222

	MD 544	MD 1003	MD 2003	MD 2103
SPECIFICATIONS				
Interface Type	FAST SCSI-2	FAST SCSI-2	FAST SCSI-2	FAST SCSI-2
Formatted Capacity	541 MB	1,080.23 MB	2,160 MB	2,147 MB
PERFORMANCE				
Average Seek Time (ms)	12	12.5	8.5	9
Max. Asynchronous Transfer Rate (MB/sec)	5.0	5.0	5.0	10
Max. synchronous Transfer Rate (MB/sec)	10	10	10	10
Sustained Transfer Rate (MB/sec)	2.5 to 3.7	33 to 65	3.85 to 5.75	5.3 to 8.94
Rotational Speed (rpm)	5,400	5,376	5,400	7,200
Average Latency (ms)	5.56	5.6	5.56	4.17
Buffer Size (KB)	64	128	448	512

MTBF (hrs)	300,000	300,000	800,000	800,000
MECHANICAL CHARACTERISTICS				
Number of Cylinders (logical)	4,901	4,826	2,149	3,711
Number of Data Heads (logical)	2	4	5	11
Sectors per Track (logical)	108	116	148	86 to 125
Total Number of Sectors	1,056,768	2,109,840	4,226,725	4,306,615
ENVIRONMENTAL CHARACTERISTICS				
Operating Temperature (F/C)	41-131/5-55	41-122/5-50	41-122/5-50	41-131/5-55
Non-Operating Temperature (F/C)	-40 to 158/-40 to 70	-40 to 158/-40 to 70	-40 to 149/-40 to 65	-40 to 158/-40 to 70
Operating Humidity (% , non-cond.)	8 to 80	8 to 90	8 to 90	5 to 95
DC INPUT REQUIREMENTS (internal models only)				
5 Volt, Startup	0.57	1.1	.46	1.4
5 Volt, Typical	0.23	0.70	0.25	0.99
12 Volt, Startup	1.16	2	1.1	1.93
12 Volt, Typical	0.6	0.75	0.9	0.6
AC INPUT REQUIREMENTS (external models only)				
Voltage Range (volts)	90 to 264	90 to 264	90 to 264	90 to 264
Frequency Range (hertz)	47 to 63	47 to 63	47 to 63	47 to 63
AC Max. Power (watts)	47	47	47	47
AC Typ. Power (watts)	21	21	21	21
INTERNAL DRIVE PHYSICAL CHARACTERISTICS				
Dimensions (H x W x D inches)	1.0 x 4.0 x 5.75	1.0 x 4.0 x 5.75	1.0 x 4.0 x 5.75	1.0 x 4.0 x 5.75
Weight (lbs/kg)	1.2/0.545	1.3/0.57	1.3/0.57	1.2/0.54
EXTERNAL DRIVE PHYSICAL CHARACTERISTICS				
Dimensions (H x W x D inches)	2.4 x 9.6 x 10.5	2.4 x 9.6 x 10.0	2.4 x 9.6 x 10.5	2.4 x 9.6 x 10.5
Weight (lbs/kg)	4.89/2.222	4.89/2.222	4.89/2.222	4.89/2.222

	Si 4303	Si 9103	Si 9103W	Si 4303W
SPECIFICATIONS				
Interface Type	Ultra SCSI	Ultra SCSI	Wide SCSI	Wide SCSI
Formatted Capacity	4,350 MB	9,100 MB	9,100 MB	4,294 MB
PERFORMANCE				
Average Seek Time (ms)	8/9	9	9	8

Max. Asynchronous Transfer Rate (MB/sec)	10	10	20	10
Max. synchronous Transfer Rate (MB/sec)	20	20	40	20
Rotational Speed (rpm)	7,200	7,200	7,200	7,200
Average Latency (ms)	4.17	4.17	4.17	4.17
Buffer Size (KB)	512	2,024	2,024	1,024
MTBF (hrs)	1,000,000	1,000,000	1,000,000	800,000
MECHANICAL CHARACTERISTICS				
Number of Cylinders (logical)	5,288	5,273	5,273	3,606
Number of Data Heads (logical)	10	20	20	21
Sectors per Track (logical)	165	153 to 238	153 to 238	82 to 125
ENVIRONMENTAL CHARACTERISTICS				
Operating Temperature (F/C)	41-122/5-50	41-122/5-50	41-122/5-50	41-122/5-50
Non-Operating Temperature (F/C)	-40 to 158/-40 to 70	-40 to 158/-40 to 70	-40 to 149/-40 to 65	-40 to 158/-40 to 70
Operating Humidity (% , non-cond.)	5 to 95	5 to 95	5 to 95	5 to 95
DC INPUT REQUIREMENTS (internal models only)				
5 Volt, Startup	1.0	1.1	.46	1.4
5 Volt, Typical	0.23	0.80	0.80	1.5
12 Volt, Startup	1.16	2	1.1	1.93
12 Volt, Typical	1.8	2.2	2.2	3.1
AC INPUT REQUIREMENTS (external models only)				
Voltage Range (volts)	90 to 264	90 to 264	90 to 264	90 to 264
Frequency Range (hertz)	47 to 63	47 to 63	47 to 63	47 to 63
AC Max. Power (watts)	68	68	68	68
AC Typ. Power (watts)	25	25	25	25
INTERNAL DRIVE PHYSICAL CHARACTERISTICS				
Dimensions (H x W x D inches)	1.0 x 4.0 x 5.47	1.62 x 4.0 x 5.75	1.62 x 4.0 x 5.75	1.63 x 4.0 x 5.97
Weight (lbs/kg)	1.5/0.68	2.3/1.04	2.3/1.04	2.3/1.04
EXTERNAL DRIVE PHYSICAL CHARACTERISTICS				
Dimensions (H x W x D inches)	2.4 x 9.6 x 10.5	2.4 x 9.6 x 10.0	2.4 x 9.6 x 10.5	2.4 x 9.6 x 10.5
Weight (lbs/kg)	5.19/2.28	5.3/2.4	5.3/2.4	5.3/2.4

	Si 4303/C	Si 9103/C	Si 9103W/C	Si 4303W/C
SPECIFICATIONS				
Interface Type	Ultra SCSI	Ultra SCSI	Wide SCSI	Wide SCSI
Formatted Capacity	4,350 MB	9,100 MB	9,100 MB	4,294 MB
PERFORMANCE				
Average Seek Time (ms)	8/9	9	9	8
Max. Asynchronous Transfer Rate (MB/sec)	10	10	20	10
Max. synchronous Transfer Rate (MB/sec)	20	20	40	20
Rotational Speed (rpm)	7,200	7,200	7,200	7,200
Average Latency (ms)	4.17	4.17	4.17	4.17
Buffer Size (KB)	512	2,024	2,024	1,024
MTBF (hrs)	1,000,000	1,000,000	1,000,000	800,000
MECHANICAL CHARACTERISTICS				
Number of Cylinders (logical)	5,288	5,273	5,273	3,606
Number of Data Heads (logical)	10	20	20	21
Sectors per Track (logical)	165	153 to 238	153 to 238	82 to 125
ENVIRONMENTAL CHARACTERISTICS				
Operating Temperature (F/C)	41-122/5-50	41-122/5-50	41-122/5-50	41-122/5-50
Non-Operating Temperature (F/C)	-40 to 158/-40 to 70	-40 to 158/-40 to 70	-40 to 149/-40 to 65	-40 to 158/-40 to 70
Operating Humidity (% , non-cond.)	5 to 95	5 to 95	5 to 95	5 to 95
DC INPUT REQUIREMENTS (internal models only)				
5 Volt, Startup	1.0	1.1	.46	1.4
5 Volt, Typical	0.23	0.80	0.80	1.5
12 Volt, Startup	1.16	2	1.1	1.93
12 Volt, Typical	1.8	2.2	2.2	3.1
AC INPUT REQUIREMENTS (external models only)				
Voltage Range (volts)	90 to 264	90 to 264	90 to 264	90 to 264
Frequency Range (hertz)	47 to 63	47 to 63	47 to 63	47 to 63
AC Max. Power (watts)	68	68	68	68
AC Typ. Power (watts)	25	25	25	25
INTERNAL DRIVE PHYSICAL CHARACTERISTICS				
Dimensions (H x W x D inches)	1.0 x 4.0 x 5.47	1.62 x 4.0 x 5.75	1.62 x 4.0 x 5.75	1.63 x 4.0 x 5.97

Weight (lbs/kg)	1.5/0.68	2.3/1.04	2.3/1.04	2.3/1.04
EXTERNAL DRIVE PHYSICAL CHARACTERISTICS				
Dimensions (H x W x D inches)	2.4 x 9.6 x 10.5	2.4 x 9.6 x 10.0	2.4 x 9.6 x 10.5	2.4 x 9.6 x 10.5
Weight (lbs/kg)	5.19/2.28	5.3/2.4	5.3/2.4	5.3/2.4

	MD 4303	MD 9103	MD 9103W	MD 4303W
SPECIFICATIONS				
Interface Type	Ultra SCSI	Ultra SCSI	Wide SCSI	Wide SCSI
Formatted Capacity	4,350 MB	9,100 MB	9,100 MB	4,294 MB
PERFORMANCE				
Average Seek Time (ms)	8/9	9	9	8
Max. Asynchronous Transfer Rate (MB/sec)	10	10	20	20
Max. synchronous Transfer Rate (MB/sec)	20	20	40	40
Rotational Speed (rpm)	7,200	7,200	7,200	7,200
Average Latency (ms)	4.17	4.17	4.17	4.17
Buffer Size (KB)	512	2,024	2,024	1,024
MTBF (hrs)	1,000,000	1,000,000	1,000,000	800,000
MECHANICAL CHARACTERISTICS				
Number of Cylinders (logical)	5,288	5,273	5,273	3,606
Number of Data Heads (logical)	10	20	20	21
Sectors per Track (logical)	165	153 to 238	153 to 238	82 to 125
ENVIRONMENTAL CHARACTERISTICS				
Operating Temperature (F/C)	41-122/5-50	41-122/5-50	41-122/5-50	41-122/5-50
Non-Operating Temperature (F/C)	-40 to 158/-40 to 70	-40 to 158/-40 to 70	-40 to 149/-40 to 65	-40 to 158/-40 to 70
Operating Humidity (% , non-cond.)	5 to 95	5 to 95	5 to 95	5 to 95
DC INPUT REQUIREMENTS (internal models only)				
5 Volt, Startup	1.0	1.1	.46	1.4
5 Volt, Typical	0.23	0.80	0.80	1.5
12 Volt, Startup	1.16	2	1.1	1.93
12 Volt, Typical	1.8	2.2	2.2	3.1
AC INPUT REQUIREMENTS (external models only)				
Voltage Range (volts)	90 to 264	90 to 264	90 to 264	90 to 264
Frequency Range (hertz)	47 to 63	47 to 63	47 to 63	47 to 63

AC Max. Power (watts)	68	68	68	68
AC Typ. Power (watts)	25	25	25	25
INTERNAL DRIVE PHYSICAL CHARACTERISTICS				
Dimensions (H x W x D inches)	1.0 x 4.0 x 5.47	1.62 x 4.0 x 5.75	1.62 x 4.0 x 5.75	1.63 x 4.0 x 5.97
Weight (lbs/kg)	1.5/0.68	2.3/1.04	2.3/1.04	2.3/1.04
EXTERNAL DRIVE PHYSICAL CHARACTERISTICS				
Dimensions (H x W x D inches)	2.4 x 9.6 x 10.5	2.4 x 9.6 x 10.0	2.4 x 9.6 x 10.5	2.4 x 9.6 x 10.5
Weight (lbs/kg)	5.19/2.28	5.3/2.4	5.3/2.4	5.3/2.4
		Si 9000/S5	MTD 9000	
SPECIFICATIONS				
Interface Type	Fast SCSI-2		Fast SCSI-2	
Formatted Capacity	9,090 MB		9,090 MB	
PERFORMANCE				
Average Seek Time (ms)	11		11	
Max. Asynchronous Transfer Rate (MB/sec)	5		5	
Max. synchronous Transfer Rate (MB/sec)	10		10	
Average Latency (ms)	5.55		5.55	
Buffer Size (KB)	1,024		1,024	
MTBF (hrs)	500,000		500,000	
MECHANICAL CHARACTERISTICS				
Number of Cylinders (logical)	4,925		4,925	
Number of Data Heads (logical)	27		27	
Sectors per Track (logical)	102-151		102-151	
ENVIRONMENTAL CHARACTERISTICS				
Operating Temperature (F/C)	50-113/10-45		50-113/10-45	
Non-Operating Temperature (F/C)	-40 to 140/-40 to 60		-40 to 140/-40 to 60	
Operating Humidity (% , non-cond.)	5 to 95		5 to 95	
DC INPUT REQUIREMENTS (internal models only)				
5 Volt, Startup	1.37		1.37	
5 Volt, Typical	1.12		1.12	
12 Volt, Startup	4.96		4.96	
12 Volt, Typical	1.7		1.7	
AC INPUT REQUIREMENTS (external models only)				
Voltage Range (volts)	100 to 260		100 to 260	
Frequency Range (hertz)	47 to 63		47 to 63	
AC Max. Power (watts)	104		104	
AC Typ. Power (watts)	41		41	
INTERNAL DRIVE PHYSICAL CHARACTERISTICS				
Dimensions (H x W x D inches)	3.25 x 5.75 x 8		3.25 x 5.75 x 8	
Weight (lbs/kg)	7.9/3.6		7.9/3.6	
EXTERNAL DRIVE PHYSICAL CHARACTERISTICS				
Dimensions (H x W x D inches)	6 x 6.3 x 13.7		6 x 6.3 x 13.7	
Weight (lbs/kg)	13.9/6.3		13.9/6.3	