

FORMATTED CAPACITIES OF  
4.55 AND 9.1 GBYTES

# Medalist Pro SCSI

Affordable SCSI storage capacity for desktop PCs, personal workstations, and entry-level servers

- 7,200-RPM spindle speed, 4.17 msec average latency
- Ultra SCSI and Ultra2 SCSI (LVD) interfaces
- Advanced SCSI Architecture II (ASA II)
- Self-Monitoring Analysis and Reporting Technology (S.M.A.R.T.)
- Average sustained data rate of 12.4 Mbytes per second
- Average seek time of 9.5 msec



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- Formatted capacities of 4.55 and 9.1 Gbytes
- 7,200-RPM spindle speed with 4.17 msec average latency
- Ultra SCSI and Ultra2 SCSI (LVD) interfaces
- Advanced SCSI Architecture II (ASA II)
- MR heads, embedded servo and PRML channel

## CAPACITY AND INTERFACE

Formatted Gbytes (512 bytes/sector)  
Interface

## PERFORMANCE

Internal Transfer Rate, ZBR (Mbits/sec)  
Internal Formatted Transfer Rate (Mbytes/sec)  
External Transfer Rate  
  Ultra SCSI 8/16 bit (Mbytes/sec)  
  Ultra2 SCSI (Mbytes/sec)  
Average Sustained Transfer Rate (Mbytes/sec)  
Multisegmented Cache (Kbytes)  
Track-to-Track Seek, Read/Write (msec)  
Average Seek, Read/Write (msec)  
Average Latency (msec)  
Spindle Speed (RPM)

## CONFIGURATION/ORGANIZATION

Discs/Heads  
Bytes per Sector (typ)  
Recording Method

## RELIABILITY/DATA INTEGRITY

S.M.A.R.T. Capable  
Nonrecoverable Read Errors per Bits Read  
Limited Warranty (years)

## POWER REQUIREMENTS

+12 VDC ± 5% (amps max)  
+5 VDC ± 5% (amps max)  
Power Management (watts)

## ENVIRONMENTAL

Operating Temperature (°C)  
Nonoperating Temperature (°C)  
Shock, Operating/Nonoperating (Gs)  
Average Idle Acoustics (Bels)

## PHYSICAL

Height (in/mm)  
Width (in/mm)  
Depth (in/mm)  
Weight (lb/kg)

	ST34520N ST34520W ST34520WC ST34520LW ST34520LC Medalist Pro SCSI	ST39140N ST39140W ST39140WC ST39140LW ST39140LC Medalist Pro SCSI
Formatted Gbytes (512 bytes/sector)	4.55	9.10
Interface	Ultra SCSI (8- and 16-bit, SCA II) Ultra2 SCSI (LVD 16-bit, SCA II)	Ultra SCSI (8- and 16-bit, SCA II) Ultra2 SCSI (LVD 16-bit, SCA II)
Internal Transfer Rate, ZBR (Mbits/sec)	108 to 192	108 to 192
Internal Formatted Transfer Rate (Mbytes/sec)	8.5 to 15	8.5 to 15
External Transfer Rate		
Ultra SCSI 8/16 bit (Mbytes/sec)	20/40	20/40
Ultra2 SCSI (Mbytes/sec)	80	80
Average Sustained Transfer Rate (Mbytes/sec)	12.4	12.4
Multisegmented Cache (Kbytes)	512	512
Track-to-Track Seek, Read/Write (msec)	2.5/2.5	2.5/2.5
Average Seek, Read/Write (msec)	9.5/10.5	9.5/10.5
Average Latency (msec)	4.17	4.17
Spindle Speed (RPM)	7,200	7,200
Discs/Heads	2/4	4/8
Bytes per Sector (typ)	512	512
Recording Method	16/17 EPRML	16/17 EPRML
S.M.A.R.T. Capable	Yes	Yes
Nonrecoverable Read Errors per Bits Read	1 per 10 <sup>14</sup>	1 per 10 <sup>14</sup>
Limited Warranty (years)	3	3
+12 VDC ± 5% (amps max)	2.4	2.4
+5 VDC ± 5% (amps max)	.55/.80	.55/.80
Power Management (watts)	11.0/11.75	11.0/11.75
Operating Temperature (°C)	5 to 55	5 to 55
Nonoperating Temperature (°C)	-40 to 70	-40 to 70
Shock, Operating/Nonoperating (Gs)	10/200	110/200
Average Idle Acoustics (Bels)	3.9	3.9
Height (in/mm)	1.0/25.4	1.0/25.4
Width (in/mm)	4.0/101.6	4.0/101.6
Depth (in/mm)	5.75/146.0	5.75/146.0
Weight (lb/kg)	1.5/0.68	1.5/0.68

SCSI  
Pro  
Medalist  
SCSI



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