

# hawk 2LP

## 3.5

INCH FAMILY, LOW PROFILE

*Fast, Fast Wide and Single Connector  
SCSI-2 Interfaces*



- *Formatted capacity up to 2.147 Gbytes*
- *Advanced SCSI Architecture II*
- *Multiple SCSI I/O options*
- *5,411 RPM spindle speed reduces latency to 5.54 msec*
- *512 Kbyte multisegmented cache buffer*
- *800,000 hours MTBF*
- *Five year limited warranty*

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For additional information, please call 408/438-8111.

 **Seagate**

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*Fast, Fast Wide and Single Connector  
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	ST31230N ST31230ND ST31230DC Hawk 2LP	ST31230W ST31230WD ST31230WC Hawk 2LP	ST32430N ST32430ND ST32430DC Hawk 2LP	ST32430W ST32430WD ST32430WC Hawk 2LP
<b>Capacity</b>				
Unformatted Mbytes	1,200	1,200	2,600	2,600
Formatted Mbytes (512 bytes/sector)	1,050	1,050	2,147	2,147
<b>Interface</b>				
	Fast SCSI-2	Fast Wide SCSI-2	Fast SCSI-2	Fast Wide SCSI-2
<b>Performance</b>				
Internal Transfer Rate, ZBR (Mbits/sec)	32 to 58	32 to 58	37 to 63	37 to 63
External Transfer Rate (Mbytes/sec)	10 Sync	20 Sync	10 Sync	20 Sync
Cache, multisegmented (Kbytes)	512	512	512	512
Track-to-Track Seek, Read/Write (msec)	1/1.7	1/1.7	1/1.7	1/1.7
Average Seek, Read/Write (msec)	9/10.5	9/10.5	9/10.5	9/10.5
Maximum Seek (msec)	22	22	22	22
Spindle Speed (RPM)	5,411	5,411	5,411	5,411
Average Latency (msec)	5.54	5.54	5.54	5.54
<b>Configuration/Organization</b>				
Discs	3	3	5	5
Read/Write Heads	5	5	9	9
Servo Heads	1	1	1	1
Bytes per Sector (typ)	512	512	512	512
Cylinders	3,892	3,892	3,892	3,892
Recording Method	RLL (1,7)	RLL (1,7)	RLL (1,7)	RLL (1,7)
<b>Reliability and Data Integrity</b>				
MTBF (power on hours)	800,000	800,000	800,000	800,000
Recoverable Read Errors per Bits Read	1 per 10 <sup>10</sup>	1 per 10 <sup>10</sup>	1 per 10 <sup>10</sup>	1 per 10 <sup>10</sup>
Nonrecoverable Read Errors per Bits Read	1 per 10 <sup>14</sup>	1 per 10 <sup>14</sup>	1 per 10 <sup>14</sup>	1 per 10 <sup>14</sup>
Seek Errors (per seek)	1 per 10 <sup>7</sup>	1 per 10 <sup>7</sup>	1 per 10 <sup>7</sup>	1 per 10 <sup>7</sup>
Auto-Park	yes	yes	yes	yes
Limited Warranty (yrs)	5	5	5	5
<b>Power Requirements</b>				
+12 VDC ±5% (amps typ)	0.38	0.38	0.38	0.38
(amps max)	2	2	2	2
+5 VDC ±5% (amps typ)	0.7	0.7	0.7	0.7
Power (Idle watts)	6.3	6.3	6.5	6.5
<b>Environmental</b>				
Operating Temperature (°C)	5 to 55	5 to 55	5 to 55	5 to 55
Nonoperating Temperature (°C)	-40 to 70	-40 to 70	-40 to 70	-40 to 70
<b>Physical</b>				
Height (inches/mm)	1/25.4	1/25.4	1/25.4	1/25.4
Width (inches/mm)	4/101.6	4/101.6	4/101.6	4/101.6
Depth (inches/mm)	5.74/146.1	5.74/146.1	5.74/146.1	5.74/146.1
Weight (lb/kg)	1.45/0.64	1.45/0.64	1.5/0.68	1.5/0.68