



## Barracuda® ES SATA 3.0/Gb/s Drive

### Capacity

**400GB**

### Interface

**SATA 3Gb/s**

### Spin Speed

**7200**

Model ST3400620NS SATA 3Gb/s 400GB 7200

### Overview

### Specifications

### Support

#### Key Features and Benefits

- 7200-RPM spin speed
- 16-MB cache buffer
- Perpendicular recording technology for maximum capacity and reliability
- Native command queuing (NCQ) for enhanced performance
- Highest reliability rating for 24 x 7 operation
- Serial ATA (SATA) interface
- Best-in-class rotational vibration (RV) tolerance
- Multidrive firmware maximizes system availability
- 5-year warranty

#### Applications

- High-demand business applications

Network Attached Storage (NAS)  
Storage Area Network (SAN)  
Dynamic, capacity-intensive RAID systems  
Maximum-capacity servers  
Media content storage—audio, video, image  
Reference and compliance data storage  
Enterprise backup and restore—D2D, virtual tape  
Collaboration—email, messaging  
Infrastructure—web, print, file  
Video surveillance

**Barracuda® ES SATA 3.0/Gb/s 400-GB Hard Drive****ST3400620NS**

<b>SPECIFICATIONS</b>	
Model Number	ST3400620NS
Interface	SATA 3Gb/s
Cache	16MB
Capacity	400GB
Guaranteed Sectors	781,422,768
<b>PHYSICAL</b>	
Height	26.1mm (1.028 in)
Width	101.6mm (4.000 in)
Length	146.99mm (5.787 in)
Weight (typical)	635g (1.40 lb)
<b>PERFORMANCE</b>	
Spin Speed (RPM)	7200 RPM
Average latency	4.16ms
Random read seek time	<8.50ms
Random write seek time	<10.0ms
I/O data transfer rate	300MB/s
Unrecoverable read errors	1 in 10 <sup>14</sup>
<b>RELIABILITY</b>	
MTBF	1,200,000 hours
Annual Failure Rate	0.73 %
<b>POWER</b>	
Average idle power	9.30W
Average seek power	12.60W
Maximum start current, DC	2.80
<b>ENVIRONMENT</b>	
<b>AMBIENT TEMPERATURE</b>	
Operating	5°–55°C
Nonoperating	-40°–70°C
Maximum operating temperature change	20°C per hour
Maximum nonoperating temperature change	30°C per hour
<b>SHOCK</b>	
Operating Shock (max)	63 Gs for 2ms
Nonoperating Shock (max)	300 Gs for 2ms
<b>ACOUSTICS</b>	
Acoustics (Idle Volume)	2.5 bels
Acoustics (Seek Volume)	3.2 bels

- [Installation](#)
- [Troubleshooting](#)
- [Capacity Issues](#)
- [Downloads](#)
- [FAQs](#)
- [Product Registration](#)
- [Warranty and Returns](#)

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- Internal Storage
- Home Entertainment
- Network Storage
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- Servers
- Accessories
- Services

**Product Families**

- Barracuda
- BlackArmor
- Constellation ES
- FreeAgent
- FreeAgent Mac
- GoFlex
- Momentum
- Replica
- Savvio
- More...

**Support**

- Downloads
- Community Forums
- Knowledge Base
- Product Registration
- Contact Support
- Data Recovery Services
- More...