

## Escalade™ Selection Guide

| Escalade Series Selection Guide |  | High Performance RAID 5*   |  |  |
|---------------------------------|--|--|--|--|
| Model                           | 7000-2   | 7500-4   | 7500-8   | 7500-12  |
| ATA drives supported            | 2 ATA drives   | 4 ATA drives   | 8 ATA drives   | 12 ATA drives  |
| RAID levels supported           | 0, 1, JBOD   | RAID 5* 0, 1, 10, JBOD   | RAID 5* 0, 1, 10, JBOD   | 0, 1, 10, 5, JBOD  |
| Key Features                    | <ul style="list-style-type: none"> <li>• Striping</li> <li>• Fault Tolerance</li> </ul>  | <ul style="list-style-type: none"> <li>• High performance</li> <li>• RAID 5</li> <li>• Medium capacity</li> </ul>  | <ul style="list-style-type: none"> <li>• High performance RAID 5</li> <li>• Highest capacity</li> </ul>                      |  |
| Target Use                      | Entry-level RAID for optimum READ performance in a mirrored application  | Medium capacity in server-class applications requiring high-performance RAID 5*  | Maximum capacity and performance for dedicated storage platforms requiring high-performance RAID 5*                          | Highest capacity with high performance RAID 5  |
| Key Applications                | <ul style="list-style-type: none"> <li>• Video editing</li> <li>• Graphic design</li> <li>• Fault tolerant workstations</li> </ul> | <ul style="list-style-type: none"> <li>• Workgroup/email server with data protection</li> <li>• Backup server (tape replacement)</li> <li>• Database applications</li> </ul> | <ul style="list-style-type: none"> <li>• Enterprise, secure file servers</li> <li>• Online transaction processing</li> </ul> | <ul style="list-style-type: none"> <li>• Web farms</li> <li>• Email servers</li> <li>• Near-line storage and external storage boxes</li> </ul> |

\* Accelerated RAID 5 writes performance up to 500% better than standard RAID 5

### Escalade Features and Benefits

- Non-blocking switch fabric delivers high reliability and performance
- On-board processor minimizes host CPU overhead
- R5 Fusion™ technology for accelerated RAID 5 writes
- SCSI device driver interface for O/S compatibility and application integration
- Browser-based 3ware Disk Manager (3DM™) utility with password security network management of 3ware storage arrays
- SMTP support for email / pager notification of events notification of warnings and errors
- BIOS or 3DM configuration utility ease of installation and management
- BIOS BBS supports booting from the array
- Multiple logical volumes and RAID levels can exist on one card for configuration flexibility
- Multiple card support within a system for very large storage systems, up to 4.8 terabytes with 4 Escalade 7500 series controllers and 160 GByte drives
- Hot-swap and hot-spare support enables swapping defective drives without downtime
- Dynamic sector repair transparently repairs RAID arrays from redundant data for robust data protection
- S.M.A.R.T. disk drive monitoring can detect failing drives before they cause downtime

### Specifications:

|                              |   |
|------------------------------|---|
| <b>Form Factor</b>           | 7000-2, 7500-4 and 7500-8 are PCI Universal (5v/3v) short card<br>7500-12 is a PCI full-length card   |
| <b>PCI Compatibility</b>     | PCI 2.2 compliant 64-bit/33MHz bus master   |
| <b>ATA Interface</b>         | Auto-sensing Ultra ATA/133/100/66/33  |
| <b>BIOS</b>                  | BIOS plug and play (PnP) and BBS compliant  |
| <b>Operating Temperature</b> | 0 to 40 degrees C   |
| <b>Power Requirements</b>    | 5W maximum on +5v, 0.25W maximum on -12v  |
| <b>Software provided</b>     | Windows® and Linux® drivers, 3DM Disk Manager Utility   |
| <b>Compatibility</b>         | For latest motherboard and drive compatibility, go to:<br><a href="http://www.3ware.com/products/compatibility">http://www.3ware.com/products/compatibility</a>   |
| <b>OS Support</b>            | Windows 98/ME/NT4.0/2000/XP<br>Red Hat Linux 6.2, 7.1, 7.2<br>SuSE Linux 6.4, 7.2, 7.3<br>Linux driver available through open source kernel 2.2.15 and later<br>BSD drive available in open source<br>For a complete listing of OS support, go to: <a href="http://www.3ware.com/support">www.3ware.com/support</a> |

