

## Grand Prix™

### Overview

The Grand Prix XP 7,200-RPM, high-capacity 3.5-inch hard disk drives set a new standard in performance with an optional Ultra SCSI-3 interface and an internal data rate of 9.7 MB/second. With formatted storage capacities of 4.3 GB and 2.1 5 GB and an 800,000-hour MTBF, the drives are designed for high-performance servers, disk arrays, workstations, and other high-end computers.

Quantum Grand Prix's high sustained data rates and embedded servo technology (which eliminates the need for thermal recalibrations) provide unsurpassed performance for advanced multimedia applications. In addition, the drives are ideally suited for other storage-intensive software applications like graphics and imaging, transaction processing, and CAD/CAM.

### Top Performance With Desktop-Quiet Acoustics

Quantum's patented second-generation PRML (Partial Response Maximum-Likelihood) read channel delivers an exceptionally high internal data rate of 9.7 MB/second. The drives also achieve one of the industry's fastest times to data due to an average seek time of 8.6 ms and Optimized Reordering Command Algorithm (ORCA) firmware, which reduces average latency by 20 percent.

### Multimedia Features Are Standard

In multimedia applications, particularly advanced digital video, the Quantum Grand Prix drives provide uninterrupted data transfers because thermal recalibrations are not required. The embedded servo design eliminates the need for these recalibrations, normally required in dedicated servo designs to ensure data integrity.

### Maximum Versatility

The Quantum Grand Prix drives can be configured with customized sector sizes to support network, video, and RAID applications. For field maintenance, downloadable firmware simplifies upgrades and enhancements by eliminating the need to change hardware components.

Several interface connector options are offered, including the Wide SCSI connector, Differential SCSI connector, and the Single Connector Attachment (SCA).

### Five Year Warranty

Quantum Grand Prix reliability is backed by a five-year warranty for distributors, OEMs, and end users.

### Key Features

- ?? 7,200 RPM
- ?? 8.6 ms Seek Time
- ?? PRML Read Channel
- ?? Desktop-Quiet Operation

- ?? Advanced Embedded Servo
- ?? WriteCache® and DisCache® Firmware
- ?? Optimized Reordering Command Algorithm (ORCA)
- ?? Plug-and-Play SCSI
- ?? Tagged Command Queuing
- ?? Masterless Spindle Synchronization
- ?? MultiCache
- ?? Write Streaming
- ?? Hot Pluggability
- ?? SCSI AutoDisconnect
- ?? Various Sector Sizes
- ?? Downloadable Firmware
- ?? Error Correction Code (ECC) On-the-Fly
- ?? Fast SCSI-3\*, Fast Wide Single-Ended SCSI-3, Fast Wide Differential SCSI-3, Ultra SCSI-3 (optional)
- ?? Novell Certification
- ?? RAID Ready

\* SCSI-3 SPI Compliant