



# MorStor TruFibre 220

ENTRY LEVEL FIBRE CHANNEL STORAGE



## MorStor TruFibre Series

The MorStor TruFibre Series from INLINE Corporation is a state of the art class of Fibre Channel storage devices designed to meet the needs of all organizations, from small LANs all the way up to large, distributed, global enterprises. Fibre Channel technology provides a robust, high octane RAID array capable of delivering high I/O for your database applications and extra bandwidth for large file reads and writes. The MorStor product family supports all open systems including any flavor of Unix, Linux, Windows and Novell as well as clustering and heterogeneous SAN environments. With high availability, high performance and easy scalability the TruFibre series is an ideal solution for NAS devices and SAN architecture as well as your Direct Attached Storage needs.

The MorStor TF220 offers the smaller enterprise a cost effective way to take advantage of Fibre Channel technology and the benefits that come with it. The TF220 has two active Fibre Channel connections providing for 200 MB per second maximum throughput. Organizations with low bandwidth needs will find that the TF220 is an excellent choice for SANs, NAS or DAS. With the ability to upgrade to the TF400 in less than three minutes and scalability up to 13 terabytes of capacity, the MorStor TF220 is the ideal solution for the storage needs of the small enterprise that wishes to have the ability to expand in the future without sacrificing earlier storage technology investments.

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## SCALABLE & FLEXIBLE UPGRADE PATHS

- Scalable architecture allows for performance and capacity growth based on a modular design
- Multiple TruFibre arrays can be configured on a switched fabric for even greater capacity
- Space efficient design allows for high capacity in a small footprint
- Up to 108 drives per standard 72" cabinet
- Up to 126 host connections without switched fabric

## HIGH PERFORMANCE



- Dual active array controllers virtually double performance and significantly enhance data availability
- Variable stripe and variable cache line size allow application-specific tuning to maximize read, write and cache utilization
- RISC processors enhance performance
- Dual 64-bit internal bus design eliminates typical controller bottleneck
- Up to 512 MB primary cache and over 8 GB secondary cache per controller set
- Sustained data transfers of 189 MB per second RAID 5 reads and 128 MB per second RAID 5 writes

## HIGH AVAILABILITY & DATA INTEGRITY



- Truly redundant components provide fault tolerance and continuous access to data
- Hot swappable redundant components allow online repair without costly downtime
- MorStor online RAID expansion expands RAID set without interruption
- Mirrored non-volatile cache maintains data integrity, either in write-through or write-back mode
- Dual-ported fibre drives and multiple dual-channel fibre loops provide redundant paths to disks at all times
- Global hot spares instantly provide automatic unattended disk rebuilds
- Redundant AC power sources insure greater availability and dual power grid utilization
- Local and remote mirroring provides additional redundancy
- MorStorVIEW console features event notification via SNMP, e-mail and paging

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## SPECIFICATIONS

Host Connections:	2 Active Fibre Channel
Maximum Throughput:	200 MB/s
Drive Capacities:	18, 36 and 72 GB per spindle
Drive Interface:	Fibre Channel, dual interface
Drive Quantity (Max):	96
Total System Capacity:	7 Terabytes
RAID Levels:	0, 1, 3, 5, 0+1, 5+1 & JBOD
Supports Multiple RAID Levels:	YES, simultaneously
LUNs (logical units) per Subsystem:	32
Command Tag Queuing:	256 Commands Max
Fabric Support:	YES
Media Interfaces:	Copper or Optical through MIA
Variable RAID Stripe and Cache Line Sizes:	YES
Variable Priority for Rebuild/Create:	YES
Global Spares:	YES
Dynamic Expansion:	YES
SAN Ready:	YES
UNIX and NT Cluster Compatible:	YES
Monitoring Options:	Local and Remote
Direct Attached Storage:	YES
Network Attached Storage:	YES
Power Options:	-48VDC, 110 VAC or 240 VAC
Power Supplies:	Hot Swap, Load Sharing and Redundant
Variable Speed Fans:	Hot Swap, Load Sharing and Redundant
Array Controllers:	Hot Swap, Load Sharing and Redundant
Disk Drives:	Hot Swap, and Redundant
Quality Standard:	Manufactured under an ISO 9000-registered quality control system

### About INLINE Corporation

INLINE Corporation is a leading independent provider of open systems storage solutions. Based in Northern Virginia, INLINE Corporation is recognized by a customer base that includes many of the largest telecommunications, digital imaging and multimedia companies as well as government agencies and universities nationwide. INLINE is also the recipient of many prestigious corporate awards including Deloitte & Touche Technology Fast 500 and Washington Technology Fast 50. The company is committed to delivering solutions that cope with today's business challenges while building information strategies for the future.

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### MorStorVIEW

Providing the ability to centrally manage physically distributed and/or centrally configured storage arrays is another key feature of MorStor storage solutions. Through our JAVA-based management tools and any industry standard web browser, MorStor arrays can be centrally managed regardless of their location in your office, enterprise or around the world. SNMP, e-mail, paging and other notification options provide integration with leading third party systems management packages such as HP OpenView, Tivoli and others. LUN mapping and masking provides security for heterogeneous SAN environments and clustering solutions. MorStorVIEW provides the ability to manage all of your storage easily and efficiently, while lowering your overall management and administrative costs.