

## The I180



### Marner SuperStorage™ Systems Sophisticated Storage Made Simple.

The I180 is a tough, super-fast, super-compact, 3Gbs, fibre channel storage system derived from US military applications. The I180 is designed to provide scalable, cost effective high performance **SATA or SAS** add-on storage for existing RAID systems or to provide high performance direct attached storage for existing server configurations. The I180 provides the highest drive density in a 1U form factor on the market with un-matched versatility and scalability to dramatically expand your storage capabilities without blowing your budget.

#### The Marner Story

Marner makes state-of-the-art, high performance data storage systems derived from US Military applications. They are simple, proven and bulletproof—perfect for small to medium sized businesses with burgeoning storage needs but without a lot of tech support.

Marner systems offer you a super-fast way to plow through mission critical applications that involve either large file sizes or heavy transaction volumes. Marner systems are ideal for applications with lots of small transactions demanding real-time access and processing of data (such as e-commerce, ERP and XML). Marner solutions provide super-fast, real-time access to your data on platforms that can grow with your business without breaking the bank.

Best of all, we stand behind our products. Marner systems come with one of the best warranties and support programs in the business and are sold and serviced by your local computer support provider—the people that already know your system. They can answer your questions, configure your system and get you up and running in no time—on budget and without the technical headaches.

*The world of data is exploding, Marner keeps it simple, organized and at your fingertips.*

#### It's All About The Application

The I180 SuperStorage system is the most cost effective solution and is perfect for situations where you need to add either additional storage to existing network attached or storage area network configurations or if you just need serious storage capability for an existing server configuration. The speed, scalability and ease of use make the I180 the ideal choice to support the storage needs for your applications including:

- ecommerce, ERP and XML transactions
- video and image capture and processing
- web hosting and content management
- real-time simulations, modeling and numerical analysis
- pattern recognition
- security
- government compliance
- real time access to large file sizes and or volumes

#### I180 Highlights

- 1U height form factor
- 16-lane SAS at 3 Gb per port connectivity
- 108 Gb/s switched back plane
- 8 interchangeable SATA or SAS disks / enclosure
- Scalable up to 1,024 disks
- 3 Gb/s 300, 500 or 750 GB drives
- Backwards compatible with 1.5 Gbit/s systems.
- Patented SuperCool™ system
- Dual redundant power supplies
- Ruggedized vibration resistant design
- Hot swappable components for toolless maintenance
- User friendly graphical interface
- Self diagnostic
- Internet ready
- 2 year warranty on system, 5 years on disks

## Marner SuperStorage Systems *Sophisticated Storage Made Simple.*



### The I180 by the Numbers:

#### Environment

Power:	Dual redundant AC or DC or both
AC power:	90-260V single Phase (50-60 Hz)
DC power:	-30/62V, dual input
Input Power:	2A at 100VAC (200W)
Operating: Humidity	0°C to 40°C 5% to 80%
Heat Output:	616 BTUs/hr

#### Regulations

Safety:	UL 1950, CSA TÜV, EN60950
Emission:	FCC part 15B, Class A
Certification:	Hitachi Certified

#### Dimensions & Weight

Height:	IU: 44.4mm (1.75")
Width:	450mm (17.7")
Depth:	609mm (24")
Weight:	(no drives) 12.7kg
Weight:	(8 drives) 18.2kg

#### Disk Drives

- 3 Gb/s SATA or SAS (up to 8 drives per box)
- Up to 7,200 RPM SATA or 15,000 RMP SAS
- Choice of 300, 500 or 750 GB Drives
- Up to 6 TB total storage in IU
- 3.5" wide, low-profile (1" high)
- Ruggedized vibration resistant latching mechanism

#### Network Connectivity

- 16 - lane SAS port
- Connectivity into existing RAID controllers
- Connectivity into existing SAN/NAS architectures
- 16 - lane HBA server connectivity

#### Graphical Interface

- Self diagnostic
- Time and Date function
- Hardware License Manager
- Internet alert system
- Hot swap LCD Display

#### Patented Cooling System

- SuperCool™ architecture
- 3 x the required cooling capacity
- 3 hot swap fan modules
- Auto failure detect
- Field replaceable units

# Marner

SOPHISTICATED STORAGE MADE SIMPLE

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