

FALCON II Series
SATA-2 Disk Drives**RAID Operation**

Single-controller configuration provides full-range RAID functionalities
RAID Levels 0, 1, 0+1, 3, 5, 6, 10, 30, 50, NRAID, and JBOD
Multiple Logical Drive Configurations, each with Different RAID Level
Hot Spare Drive Support
Drive Hot Swapping
Automatic Background Rebuild
Online Drive Expansion
Intelligent Drive Handling
LUN Filtering - RAID Based and Centralized Access Management in SAN
Up to 1024 LUN for Host Mapping

Disk Interface

Available in either **16 or 24** drive bays, accommodating 3Gbps, SATA-2 (3Gbps) drives
Automatic bad sector reassignment
Drive hot-swappable via SCA-II connectors
Dedicated bandwidth to each connected drive
Concurrent I/O commands
Variable stripe size per logical drive
Optimization setting for random or sequential I/Os

External Connections

Two (2) SCSI-320 host channels; transfer rate up to 320MBps per channel
Two (2) DB-9 Connectors for RS232C Serial Port
One (1) RJ45 Ethernet Port

Host Interface

(2) hot-swappable, independent host connection modules
DIP switch settings to change host port attributes
Auto-negotiate FC-AL, point-to-point, or switched fabric
Tagged command queuing up to 256
Variable stripe size per logical drive
Optimization setting for random or sequential I/Os
ASIC400 architecture with hardware RAID6.

Management

Firmware-embedded Java-based GUI RAID manager
Centralized management of multiple arrays over in-band SCSI or Ethernet
Real-time event notification over Email, LAN broadcast, or SNMP traps
Host-side SES emulation with pass-through to back-end SES emulation
SNMP 2.0 MIBs with get and set commands
Firmware-embedded utility via LCD keypad or RS-232C port

Controls and Indicators

Front LCD Control Panel for Setup and Configuration
LED Indicators for Power, Battery, Controller(s), and other System Operation Status
Component Failure Indication through LCD, RS-232C, and GUI
Built-In Beeper and Alarm Mute

**Dimensions**

16-bay dimensions: 5.25" x 19" x 20", 3U
24-bay dimensions: 19" x 6.86" x 20.2", 4U

Environmental

Operating temperature: 5 to 40°C
Non-operating temperature: - 40° to 60°C
Relative humidity: 10~95%, non-condensing
Operating altitude: sea level to 10,000ft

Power and Cooling

Two (2) Hot Swap Redundant 530W Power Supply Units
Two (2) Separate Hot Swap Redundant Cooling Modules
w/ (2) Individual Fans
Input: 90-260VAC, 47-63Hz
Output: @5V (25A max), 12V (32A max), 3.3V (20A max)

This product is available with:

STORAGEWATCH®

All Falcon II systems are StorageWatch® capable allowing users to reduce both infrastructure TCO and organizational operating costs associated with today's business of data assets and intelligence ensuring long term organizational growth.