

FALCON SERIES 2420WZ

PRODUCT CONFIGURATION SHEET

What is a Falcon Video Storage System?

Dynamic Network Factory's Falcon series video management systems are ideal entry-level or midrange solutions for organizations looking for integrated high performance, image/video management and RAID protected storage. As demand increases for longer archive time, better video resolution and higher frame rates, each Falcon solution ensures maximized data retention and scalable performance.

Key Features:

- ▶ Up to 72TB Internal Capacity
- ▶ Two SAS Drives Mirrored At RAID 1 for the Operating System
- ▶ Compatible with Leading Industry Video Management Software
- ▶ Open Hardware Platform
- ▶ 6GB High Speed Video Cache
- ▶ 64-Bit Quad-Core Architecture
- ▶ Self-Healing Upgrades Available



FALCON SERIES 2420WZ

Internal Capacities (SATA/SAS)	Up to 72TB *
External Expansion	iSCSI, Falcon Expander
SAS Support	Yes
SATA-III Disk Support	Yes
Redundancy Features	Redundant Power Supply, RAID 1, 1E, 5, 5EE, 6, 10, 50, 60
Operating System Options	Windows Server 2008 R2 Standard 64-bit

* Depending on RAID Configuration

INTERNAL CAPACITY: UP TO 72TB'S
SATA/SAS*

EXTERNAL EXPANSION: YES

- VIDEO RECORDING
- VIDEO STORAGE

SYSTEM SPECIFICATIONS

Form Factor	4U Rackmount
# of Hot Swap Disks	26 (2-OS, 24-Data)
Operating System	Fault Tolerant OS
Max Internal Capacity	72TB
RAID Levels	0, 1, 1E, 5, 5EE, 6, 10, 50, 60, JBOD
High Speed Video Cache	6GB
Gigabit Ethernet Ports	2 x GbE
Power Supply	Redundant 800W w/PFC
USB Ports	2 x USB 2.0
VGA Ports	1 x VGA
Keyboard / Mouse Ports	PS/2 ports
Serial Ports	1 x Fast UART 16550
Optical Drives	Integrated DVD+/-RW
Operating Temperature	0°C(32°F) - 50°C(122°F)
Humidity	5% - 95% non-condensing
Dimensions	19"(W) x 27.5"(D) x 7"(H)

NETWORK INTERFACE CARD FEATURES:

- ▶▶ Support For I/OBASE-T, I/OBASE-TX, And I/OBASE-T, RJ45 Output
- ▶▶ Support For Intel I/OAT 3 For Fast Scalable And Reliable Networking
- ▶▶ VMDq For Enhanced Performance Of Virtualization
- ▶▶ Dedicated IPMI For Monitoring The Operation Of The System
- ▶▶ MSI-X, Low Latency Interrupts Improving Application Response Times
- ▶▶ Wide Pipelined Internal Data Path Architecture
- ▶▶ Support For TX/RX Of Jumbo Frames
- ▶▶ Built In Cable Diagnostics And Adjustments For Cable Faults
- ▶▶ Support For Packet Classification And Quality Of Service Applications
- ▶▶ IP, SCTP, TCP, And UDP Checksum Offloading For IPv4 And IPv6 Standards
- ▶▶ 802.1q VLAN Support With VLAN Tag Insertion
- ▶▶ Wake On LAN Support

RAID CONTROLLER FEATURES:

- ▶▶ Non-Blocking Switch Fabric Architecture
- ▶▶ Powerful Reliability Enhancement
- ▶▶ Intelligent Cache Algorithms
- ▶▶ Multi-Lane Data Paths
- ▶▶ Advanced Content Streaming
- ▶▶ Hybrid Initialization
- ▶▶ Accelerated RAID Recovery
- ▶▶ PCI Express x8 Configurations
- ▶▶ SATA-III/SAS Advanced Features
- ▶▶ Native Command Queuing



DNF Security
21353 Cabot Boulevard
Hayward, CA 94545

Tel: 510.265.1122
Fax: 510.265.1565
Web: DNFsecurity.com