

FALCON USS 1600wz

PRODUCT CONFIGURATION SHEET

What is a Falcon USS Video Storage System?

DNF Security's Integrated Falcon USS consists of Unified Storage and Servers within a single physical hardware appliance. This allows for complete hardware utilization and considerable reduction in power/cooling costs. The Falcon USS platform is ideal for environments where there are several edge recorders on the peripheral, and video is spread between multiple recorders.

Key Features:

- ▶ Up to 32TB Internal Capacity
- ▶ Multiple VMS within a single platform
- ▶ Compatible with Leading Industry Video Management Software
- ▶ Load-balancing of Camera Streams and Hardware Resources
- ▶ Open Hardware Platform
- ▶ 12GB High Speed Video Cache
- ▶ Eight-Way 64-bit Architecture
- ▶ VMware vSphere Hypervisor™ & StoneFly SCVM - Base OS



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Internal Capacities (SATA)	16TB - 32TB*
Internal Capacities (SAS)	4.8TB - 9.6TB*
External Expansion	iSCSI, SAS, or Fibre Channel
SAS Support	Yes
SATA-II Disk Support	Yes
Redundancy Features	Redundant Power Supply, RAID 1, 5, 6, 10, 50
Guest OS Options	Windows XP Professional 32-bit/64-bit Windows Server 2008 Standard 32-bit/64-bit Linux

* Depending on RAID Configuration

INTERNAL CAPACITIES: 16TB-32TB SATA*
4.8TB-9.6TB SAS*
EXTERNAL EXPANSION: YES
ALL-IN-ONE VIDEO RECORDER PLATFORM

SYSTEM SPECIFICATIONS

Form Factor	3U Rackmount
# of Hot Swap Disks	16
Max Internal Capacity	32TB
RAID Levels	0, 1, 5, 6, 10, 50, and JBOD
High Speed Video Cache	12GB
Gigabit Ethernet Ports	2 x GbE
Power Supply	Redundant 1200W 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 5.25"(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-II/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