

Turnkey Appliances: Physical Specifications

For fast, simple installation and use of FalconStor data protection technology, FalconStor offers a variety of turnkey appliances with all required software pre-installed. The family of appliances include four models with internal data storage and four models for use with external data storage. These appliances deliver FalconStor solutions for virtual tape libraries (VTL) with data de-duplication (SIR), continuous data protection (CDP), data migration (NVM), and heterogeneous virtualization and provisioning (NSS). Appliance hardware is only sold with FalconStor solution software.

• 1xx-Series •

The 110 appliance model is ideal for small- to medium-sized businesses and remote branch office implementations. It contains four hot-swappable drive bays in a convenient table-top package. Using 250GB or 500GB drives, the 110 can contain up to 2TB of storage.

• 2xx-Series •

The 210 and 220 appliance models, and the related 225, are intended for medium-size to enterprise environments that can utilize a complete solution in a single box. With 12 drive bays in the 210 appliance model, and 24 in the 220 model, the 2xx-Series appliances can contain up to 18TB of storage with 750GB drives.

• 3xx-Series •

The 310 and 350 appliance models, and the related 315 and 355, are intended for use with storage external to the appliance. The 350 appliance model supports up to 512TB of customer supplied external storage. All 3xx-Series models have mirrored internal drives for operating system and solution software.



110-Model



210-Model



22X-Models



31X-, & 35X-Models

HIGHLIGHTS

- Full line of models for businesses of all sizes
- Integrates with most application environments
- All necessary software, including operating system and FalconStor-specific software, is pre-installed
- Support for hardware RAID level 1, 5, and 6 data protection
- Standard NEMA 115 power receptacles; no need to purchase additional adapters
- IPMI chassis management module is included in all rack-mounted appliances to monitor system health

Quick Selection Guide	NSS	CDP	NVM	VTL	SIR
110-Model					
210-Model					
220-Model					
310-Model					
350-Model					
225-Model					
315-Model					
355-Model					

Physical Specifications

	Models with Internal Storage			Models for External Storage	
	110	210	22X	31X	35X
Chassis					
Form factor	Mini-tower	2U rackmount	4U rackmount	2U rackmount	2U rackmount
Dimensions (width x depth x height)	6.25" x 9.5" x 8.5"	19" x 27" x 3.5"	19" x 26.5" x 7"	17" x 28" x 3.5"	17" x 28" x 3.5"
Gross weight (without hard drives)	Approx. 7 lbs.	Approx. 42 lbs.	Approx. 69 lbs.	Approx. 46 lbs.	Approx. 46 lbs.
Power supply (DC output)	200W continuous	500W 1+1 Hot-swaps redundant	350W 3+1 Hot-swaps redundant	750W 1+1 Hot-swaps redundant	750W 1+1 Hot-swaps redundant
Power requirements	100-240V/4-2A	115-240V/8-4A	100-240V/8-5A	100-240V/11-5.5A	100-240V/11-5.5A
Power receptacle	1 x standard NEMA 115 outlet	2 x standard NEMA 115 outlet	4 x standard NEMA 115 outlet	2 x standard NEMA 115 outlet	2 x standard NEMA 115 outlet
Heat (peak, incl. hard drives)	680 BTU/hr.	1510 BTU/hr.	2183 BTU/hr.	1826 BTU/hr.	1826 BTU/hr.
System cooling	1 x 92mm single-rotor	4 x 40mm + 2 x 80mm Easy-swap	2 x 97mm blowers + 2 x 60mm Easy-swap	4 x 80mm + 2 x 60mm redundant	4 x 80mm + 2 x 60mm redundant
Rail kit	--	2 x solid-bearing w/ Quick Detach	4 x solid-bearing w/ Quick Detach	2 x MultiPin Quick Connector	2 x MultiPin Quick Connector

Motherboard					
Max. number of CPUs supported	1	2	2	2	2
Number of unused PCI slots	--	5 x PCI-X (2 full, 3 half)	1 x PCI-X (full), 2 x PCI-E (full)	4 x PCI-E (2 full, 2 half)	3 x PCI-E (1 full, 2 half)
Total number of PCI buses	--	4	4	4	4

Central Processing Unit (CPU)					
Make/Model	Intel® XScale® 400MHz	Intel Xeon® 2.8GHz 64-bit	Intel Xeon 2.8GHz 64-bit	Intel Xeon 2.0GHz dual-core 64-bit	Intel Xeon 2.0GHz dual-core 64-bit
Bus speed	200MHz	800MHz	800MHz	1333MHz	1333MHz

Random Access Memory (RAM)					
Standard (optional max.)	256MB	2GB (12GB) ECC Fully Buffered	2GB (12GB) ECC Fully Buffered	2GB (12GB) ECC Fully Buffered	4GB (16GB) ECC Fully Buffered

SATA Hard Drives					
Sizes available	250/500GB	250/500/750GB	250/500/750GB	80GB - OS and software only	80GB - OS and software only
Number of hot-swap drive bays	4	12	24	2 - mirrored OS and software	2 - mirrored OS and software
RAID level	5 standard (1 optional)	6 standard (5 optional)	6 standard (5 optional)	1 - mirrored OS and software	1 - mirrored OS and software

Network Connections					
Number of Ethernet ports (optional max.)	2	2 (6)	2 (6)	2 (4)	2 (4)

Chassis Management					
IPMI module	--	Included	Included	Included	Included

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