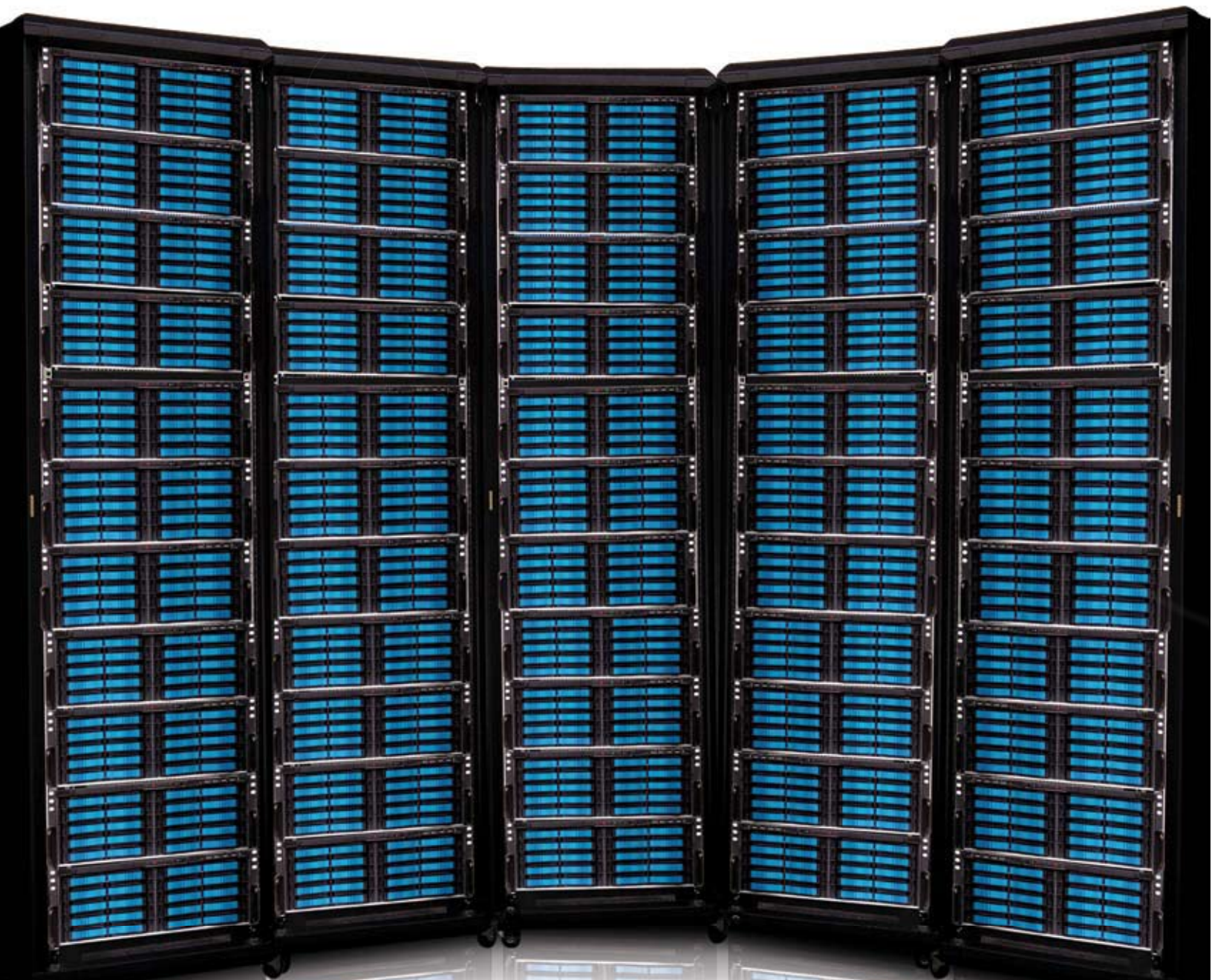


iStarUSA



storm

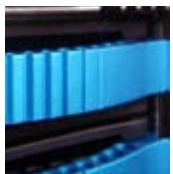
iStarUSA STORAGE Rackmount Case



INTRODUCTION

The V Series storage server rackmount chassis with iStarUSA signature drive tray. Not only the stylish look of its appearance, but the functionality, flexibility, and uncompromised performance makes V Series a new breed of storage server. As Serial technology became a more cost effective solution, iStarUSA has taken a step forward to prepare the migration of new technology trend. iStarUSA also incorporated redundant OS drive to ensure total up time of mission critical server applications.

Victory is yours with iStarUSA V Series Hot-Swappable Storage Rackmount Chassis. The V Series build with high density and ultra high performance I/O throughputs with Single/MultiLane SATA, SAS, and Mini SAS Interface. Superior thermal cooling management design dissipates heat at the most needed place. Invisiline cable management design provides professional and elegant appearance.

**B****C****E****G****H****I****J**

FEATURE

- A Dual Build-In OS Drive for RAID Function
- B Industrial Grade Aluminum Drive Tray Handle
- C with iStarUSA Signature Design
- D Fiber Optical Drive Tray Status Indicator
- E Advance Thermal Cooling Design that Optimize Airflow
- F 4 Hot-Swappable System Cooling Fans with Status Monitor

- F Support Up to Quad CPU EATX Motherboard
- G Single/MultiLaneSATA, MultiLane SAS, and D-Sub Backplane Option
- H Front Access USB and 1394 Connector
- I Power, HDD, Alarm Led, and Power ON/OFF, Alarm Rest Switch
- J Build-in Top Cover Handle with Thumb Screws



V2-M8

2U



V3-M16

3U



V4-M20

4U



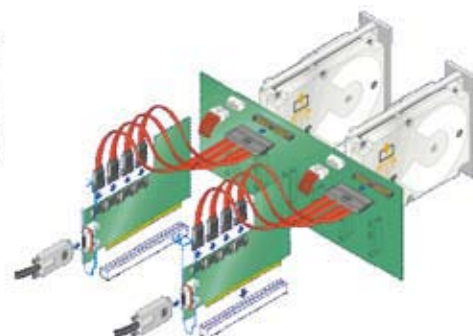
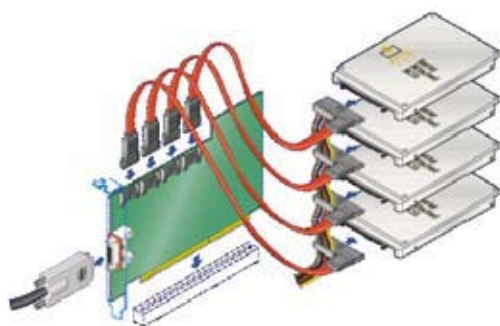
V5-M28

5U

BACKPLANE OPTION:

The main advantage of serial technology is that it is much faster than parallel technology because it is not tied to a particular clock speed. Serial technology wraps data into packets then transfers the packets at a much higher speed than parallel (up to 30 times faster).

SATA RAID is the same as SCSI - controllers are the same in terms of reliability, mechanical parts of SCSI & SATA sometimes are equal too. But SCSI is smarter (for example NCQ), it reduces operation load therefore SCSI drives have higher reliability.



Single Lane / Multi Lane SATA Backplane

SATA storage drives extend the ATA technology roadmap by delivering high disk interconnects speeds. The lower cost per gigabyte and support of high data transfer rate up to 300 Mbps have gained much popularity. Multilane SATA supports high performance IO throughput with 4 to 1 multilane interface to reduce cable count and increase airflow and system manageability. The multilane interface can be upgraded to SAS for high density and clustering storage application.

SAS/ Mini SAS SATA Backplane

The SAS/Mini SAS backplane provides enterprise level storage and performance. SAS improves drive addressability and connectivity using an expander that enables one or more SAS host controllers to connect to a large number of drives. This highly scalable connection scheme enables enterprise-level topologies that easily support multi-node clustering for automatic fail-over availability or load balancing. Backward compatible to standard SATA drives giving the flexibility to integrate either SAS or SATA devices to reduce total cost of ownership (TCO).

V2-M8

V3-M16

V4-M20

V5-M28

V2-M8

Industry Standard	EIA-RS310D
Materials	Heavy-Duty Cold-Roll Steel
Finish	Inside/Body: Zinc-Plated with Bright Chromate Outside/Front: Texture-Coated Handle: Aluminum
Dimensions (w x d x h)	mm: 482.6x685.8x88.9 inches: 19x27x3.5
Backplane	SATA 3G, SAS, SATA Multilane
Cooling:	Middle: 4x80x32mm Hot-Swap Rear: 2x80x32mm Fans
Power Supply	2U 500w Redundant Power 2U 550/460/400/350 Switching Power
Expansion	7xPCI Slots (Full Height & Length)
Controls	Power ON/OFF and System Reset + USB + 1394IEEE
Indicators	Power, Fan Failure and HDD LED
System Board	Up to 12 (ATX/SSI EEB 3.6 Compliant Motherboard)
Drive Bay	External: 3.5" Hot-swap x8 Internal: 1x3.5", 1x2.5" Slim CD-Rom/DVD-Rom x 1
Temperature	0C (32F) ~ 50C (122F)
Humidity	5% ~ 95% Non-Condensing

V4-M20

Industry Standard	EIA-RS310D
Materials	Heavy-Duty Cold-Roll Steel
Finish	Inside/Body: Zinc-Plated with Bright Chromate Outside/Front: Texture-Coated Handle: Aluminum
Dimensions (w x d x h)	mm: 482.6x685.8x133.35 inches: 19x27x5.25
Backplane	SATA, SAS, SATA Multilane
Cooling:	Middle: 4x80x32mm Hot-Swap Rear: 2x80x32mm Fans
Power Supply	Mini Redundant 300/400/500/600/700 PS2 500/600/700/750 Switching Power
Expansion	7xPCI Slots (Full Height & Length)
Controls	Power ON/OFF and System Reset + USB + 1394IEEE
Indicators	Power, Fan Failure and HDD LED
System Board	Up to 12 (ATX/SSI EEB 3.6 Compliant Motherboard)
Drive Bay	External: 3.5" Hot-swapx20 Internal: 2x3.5" Slim CD-Rom/DVD-Rom x 1
Temperature	0C (32F) ~ 50C (122F)
Humidity	5% ~ 95% Non-Condensing

4U

V3-M16

Industry Standard	EIA-RS310D
Materials	Heavy-Duty Cold-Roll Steel
Finish	Inside/Body: Zinc-Plated with Bright Chromate Outside/Front: Texture-Coated Handle: Aluminum
Dimensions (w x d x h)	mm: 482.6x685.8x133.35 inches: 19x27x5.25
Backplane	SATA 3G, SAS, SATA Multilane
Cooling:	Middle: 4x80x32mm Hot-Swap Rear: 2x80x32mm Fans
Power Supply	3U 650w Redundant Power 2U 500w Redundant Power 2U 550/460/400/350 Switching Power
Expansion	7xPCI Slots (Full Height & Length)
Controls	Power ON/OFF and System Reset + USB + 1394IEEE
Indicators	Power, Fan Failure and HDD LED
System Board	Up to 12 (ATX/SSI EEB 3.6 Compliant Motherboard)
Drive Bay	External: 3.5" Hot-swap x16 Internal: 2x3.5" Slim CD-Rom/DVD-Rom x 1
Temperature	0C (32F) ~ 50C (122F)
Humidity	5% ~ 95% Non-Condensing

V5-M28

Industry Standard	EIA-RS310D
Materials	Heavy-Duty Cold-Roll Steel
Finish	Inside/Body: Zinc-Plated with Bright Chromate Outside/Front: Texture-Coated Handle: Aluminum
Dimensions (w x d x h)	mm: 482.6x685.8x222.25 inches: 19x27x8.75
Backplane	SATA, SAS, SATA Multilane
Cooling:	Rear: 5x80mm Hot-swap Blowers + 2x80x38mm Fan
Power Supply	1350w 1U Redundant Power Supply
Expansion	7xPCI Slots (Full Height & Length)
Controls	Power ON/OFF and System Reset + 2xUSB + 2xIEEE1394
Indicators	Power, Fan Failure and HDD LED
System Board	Up to 12 (ATX/SSI EEB 3.6 Compliant Motherboard)
Drive Bay	External: 3.5" Hot-swap x28 Internal: 2x3.5" Slim CD-Rom/DVD-Rom x 1
Temperature	0C (32F) ~ 50C (122F)
Humidity	5% ~ 95% Non-Condensing

5U

V5-M28**5U**

Industry Standard	EIA-RS310D
Materials	Heavy-Duty Cold-Roll Steel
Finish	Inside/Body: Zinc-Plated with Bright Chromate
	Outside/Front: Texture-Coated
	Handle: Aluminum
Dimensions (w x d x h)	mm: 482.6x685.8x222.25
	inches: 19x27x8.75
Backplane	SATA, SAS, SATA Multilane
Cooling:	Rear: 5x80mm Hot-swap Blowers + 2x80x38mm Fan
Power Supply	1350w 1U Redundant Power Supply
Expansion	7xPCI Slots (Full Height & Length)
Controls	Power ON/OFF and System Reset + 2xUSB + 2xIEEE1394
Indicators	Power, Fan Failure and HDD LED
System Board	Up to 12 (ATX/SSI EEB 3.6 Compliant Motherboard)
Drive Bay	External: 3.5" Hot-swap x28
	Internal: 2x3.5"
	Slim CD-Rom/DVD-Rom x 1
Temperature	0C (32F) ~ 50C (122F)
Humidity	5% ~ 95% Non-Condensing

V6-M32**6U**

Industry Standard	EIA-RS310D
Materials	Heavy-Duty Cold-Roll Steel
Finish	Inside/Body: Zinc-Plated with Bright Chromate
	Outside/Front: Texture-Coated
	Handle: Aluminum
Dimensions (w x d x h)	mm: 482.6x685.8x266.7
	inches: 19x27x10.5
Backplane	SATA 3G, SAS, SATA Multilane
Cooling:	Middle: 4x80x32mm Hot-Swap Rear: 2x80x32mm Fans
Power Supply	1350w 1U Redundant Power Supply
Expansion	7 Slot PCI (Full Height & Length)
Controls	Power ON/OFF and System Reset + USB + 1394IEEE
Indicators	Power, Fan Failure and HDD LED
System Board	Up to 12 (ATX/SSI EEB 3.6 Compliant Motherboard)
Drive Bay	External: 3.5" Hot-swap x32
	Internal: 2x3.5"
	Slim CD-Rom/DVD-Rom x 1
Temperature	0C (32F) ~ 50C (122F)
Humidity	5% ~ 95% Non-Condensing

V7-M36**7U**

Industry Standard	EIA-RS310D
Materials	Heavy-Duty Cold-Roll Steel
Finish	Inside/Body: Zinc-Plated with Bright Chromate
	Outside/Front: Texture-Coated
	Handle: Aluminum
Dimensions (w x d x h)	mm: 482.6x685.8x311.15
	inches: 19x27x12.25
Backplane	SATA 3G, SAS, SATA Multilane
Cooling:	Middle: 4x80x32mm Hot-Swap Rear: 2x80x32mm Fans
Power Supply	1350w 1U Redundant Power Supply
Expansion	7xPCI Slots (Full Height & Length)
Controls	Power ON/OFF and System Reset + USB + 1394IEEE
Indicators	Power, Fan Failure and HDD LED
System Board	Up to 12 (ATX/SSI EEB 3.6 Compliant Motherboard)
Drive Bay	External: 3.5" Hot-swap x36
	Internal: 2x3.5"
	Slim CD-Rom/DVD-Rom x 1
Temperature	0C (32F) ~ 50C (122F)
Humidity	5% ~ 95% Non-Condensing

V8-M40**8U**

Industry Standard	EIA-RS310D
Materials	Heavy-Duty Cold-Roll Steel
Finish	Inside/Body: Zinc-Plated with Bright Chromate
	Outside/Front: Texture-Coated
	Handle: Aluminum
Dimensions (w x d x h)	mm: 482.6x685.8x355.6
	inches: 19x27x14
Backplane	SATA, SAS, SATA Multilane
Cooling:	Middle: 3x120 Hot-Swap Rear: 3x80x32mm Fans
Power Supply	1350w 1U Redundant Power Supply
Expansion	7xPCI Slots (Full Height & Length)
Controls	Power ON/OFF and System Reset + USB + 1394IEEE
Indicators	Power, Fan Failure and HDD LED
System Board	Up to 12 (ATX/SSI EEB 3.6 Compliant Motherboard)
Drive Bay	External: 3.5" Hot-swapx40
	Internal: 2x3.5"
	Slim CD-Rom/DVD-Rom x 1
Temperature	0C (32F) ~ 50C (122F)
Humidity	5% ~ 95% Non-Condensing

V5-M28**V6-M32****V7-M36****V8-M40**

"Innovation takes on its most elegant expression in the V Series."

