

IW-RS316-07

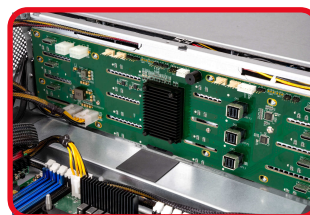
3U NVMe Hybrid Rackmount Chassis

Storage Server



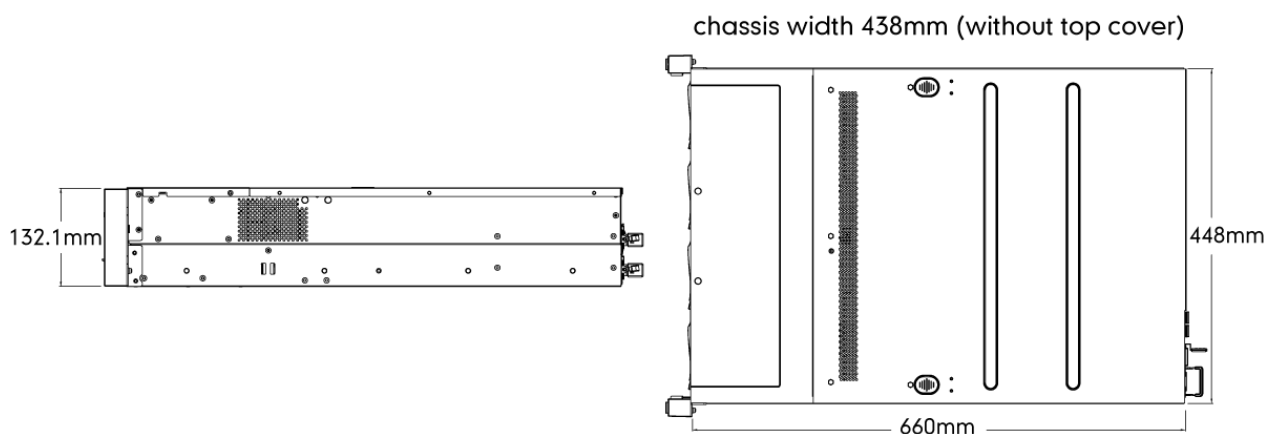
Features & Benefits

- Intel[®] Xeon Scalable & AMD EPYC family compliant
 - Supports 2.5"/3.5" hot-swap HDD trays x 16
- Optional NVMe trays x 8, green trays distinguish U.2 NVMe SSDs
- Rear drive bays support 2 x 2.5" SAS/SATA SSDs for system disks
- Backplanes with Mini-SAS HD, OCUlink or SlimSAS connectors (compatible with PCIe 4.0)
 - End-to-end 12Gbps SAS host, expander and disk support
- Internal disk brackets for 3 x 2.5" SAS/SATA SSDs (one is optional), 1 x slim ODD
 - Supports full-height PCIe slots x 7
- Highly efficient 550W/800W/1200W/1600W, 80 Plus[®] Platinum CRPS (optional)
 - High-speed cooling fans for excellent thermal performance



Specifications

Industry Standard	Compatible with EIA-RS310D standard 19" cabinets
M/B Form Factor	ATX (12" x 9.6"), CEB (12" x 10.5"), EEB (12" x 13")
Drive Bay	• External 2.5"/3.5" hot-swap trays x 16 (optional U.2 NVMe SSD trays x 8) • Internal 2.5" SSDs x 3 (one for option) and slim ODD x 1 • Rear 2.5" hot-swap trays x 2 (supports SAS 12Gbps)
Power Supply	Supports: • Form factor: 80 Plus Platinum CRPS • Watt: 550W/800W/1200W/1600W
Indicators	Power LED, LAN1/LAN2/LAN3/LAN4 LED, system LED, ID LED, HDD LED
Front Control Panel	Power on/off, system reset, NMI, ID SW, USB3.0 x 2
Backplane Type-1	• Host: Mini-SAS HD (SFF-8643) x 3, SlimSAS (SFF-8654) x 8 • HDD: SAS/SATA x 16 or SAS/SATA x 8 and NVMe SSD x 8
Backplane Type-2	• Host: Mini-SAS HD (SFF-8643) x 3, OCUlink (SFF-8611) x 8 • HDD: SAS/SATA x 16 or SAS/SATA x 8 and NVMe SSD x 8
12Gbps Expander Module	Supports broadcom SAS 35 x 36R expander
Cooling Fans	80 x 38mm PWM hot-swap fans x 4, 12000RPM
Expansion Slot	Full-height PCIe slots x 7
Material	• Material: SGCC • Thickness: 1.2mm
Rail Kit	Supports 28" tool-less & ball-bearing slide rails
Product Dimensions (DxWxH; Chassis Only)	660 x 448 x 132.1mm (26" x 17.6" x 5.2")
Package Dimensions (DxWxH)	845 x 595 x 267mm
Weight (Chassis Only)	• Net weight: 17.63kg • Gross weight: 21.03kg
Cubic Feet	4.74
Container Information	Single packing with pallets: • 20': 140pcs • 40': 322pcs • 40'HQ: 368pcs



Backplane Specifications

Backplane Type-1	SAS3 & PCIe Gen4 hybrid backplane
Data Transfer Rate	SAS3 12Gb/s PCIe Gen4 16GT/s
Dimension (W x H)	405mm x 106mm
Backplane Type	Active with expander onboard
Host Interface	Mini-SAS HD (SFF-8643) x 3, SlimSAS (SFF-8654) x 8
HDD Interface	SAS/SATA x 16 or SAS/SATA x 8 and NVMe SSD x 8

Backplane Type-2	SAS3 & PCIe Gen4 hybrid backplane
Data Transfer Rate	SAS3 12Gb/s PCIe Gen4 16GT/s
Dimension (W x H)	405mm x 106mm
Backplane Type	Active with expander onboard
Host Interface	Mini-SAS HD (SFF-8643) x 3, OCUlink (SFF-8611) x 8
HDD Interface	SAS/SATA x 16 or SAS/SATA x 8 and NVMe SSD x 8

Rear Disk Backplane Specifications

Backplane	SAS3 backplane
Data Transfer Rate	12Gb/s
Dimension (W x H)	80mm x 37mm
Backplane Type	Passive
Host Interface	Mini-SAS HD (SFF-8643) x 1
HDD Interface	SAS/SATA x 2

Optional Items

Item	Part Number	Description	Support
Slide Rail	3RAMIS148100	28" tool-less & ball-bearing slide rail	1 set
Slide Rail	3RAMIS152300 / 3RAMIS152400	28" tool-less & ball-bearing slide rail with CMA support	1 set
Cable	3RAMW4031700	Mini-SAS HD 12Gbps (SFF-8643) to Mini-SAS HD (SFF-8643) Cable, 800 mm	Max. 3
Cable		InWin can customize the SFF-8611/ SFF-8654 cables to fulfill customers' OCUlink/SlimSAS connectors requirements.	Max. 8
Power Supply	3RAMAP025102 / 3RAMAP042800	80 Plus Platinum 550W CRPS / CRPS PDB	Max. 2
Power Supply	3RAMAP025202 / 3RAMAP042800	80 Plus Platinum 800W CRPS / CRPS PDB	Max. 2
Power Supply	3RAMAP045100 / 3RAMAP045000	80 Plus Platinum 800W CRPS / CRPS PDB	Max. 2
Power Supply	3RAMAP026501 / 3RAMAP042800	80 Plus Platinum CRPS 1200W (AC input 100-127V, total power 800W max. / AC input 200-240V, total power 1200W max.) / CRPS PDB	Max. 2

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Item	Part Number	Description	Support
Power Supply	3RAMAP044300 / 3RAMAP042800	80 Plus Platinum CRPS 1600W (AC input 100-127V, total power 1000W max. / AC input 200-240V, total power 1600W max.) / CRPS PDB	Max. 2
Backplane	2RBTVI009601	Mini-SAS HD & SlimSAS backplane	1
Backplane	2RBTVI005402	Mini-SAS HD & OCuLink backplane	1
HDD Tray	2RAKPH057702	2.5"/3.5" hot-swap HDD tray (gray color)	Max. 16
HDD Tray	2RAKPH063701	2.5"/3.5" hot-swap HDD tray (gray color with NVMe symbol)	Max. 8
HDD Tray	2RAKPH057801	2.5" Screwless hot-swap SSD rear tray (gray color)	Max. 2
HDD Tray	2RARID046901	Internal 2.5" HDD bracket	1
Fan	3RAMFB016302	80 x 38mm PWM hot-swap, 12000RPM, 6pin	Max. 4
Fan	2RAKFB011602	80 x 38mm PWM hot-swap fan & fan bracket, 12000RPM, 6pin	Max. 4
Others	2RAKIP023200	Mesh front panel	1
Others	3RAMRW011300	Intrusion switch / 800mm	1

* InWin NVMe backplane supports PCIe Gen4 data transfer speed, the actual speed will be determined by MB and HDD specifications.

* All components and optional parts are not included. In Win Development Inc. reserves the right to make final modifications.