

IW-RS224-09

2U PCIe Gen5 NVMe Hybrid Rackmount Chassis

Storage Server



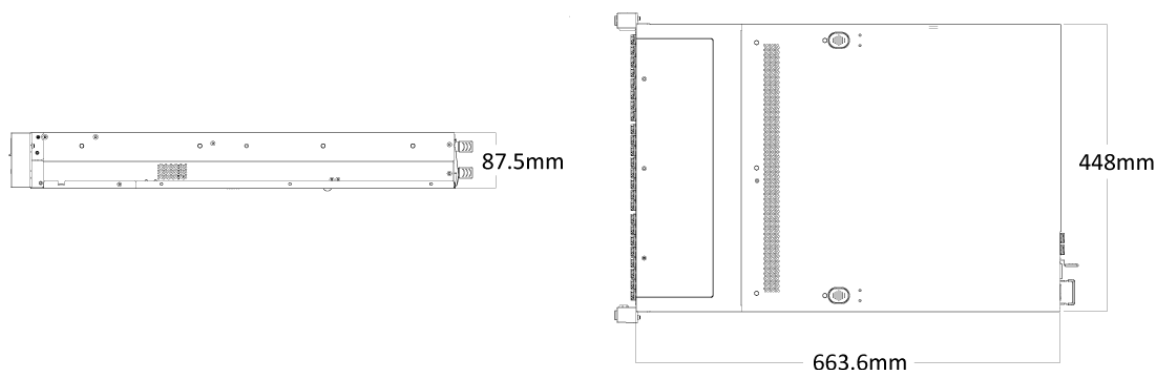
Features & Benefits

- 2U PCIe Gen5 and SAS4 hybrid solution storage server
- All 24 for the 2.5" hot-swap SSD trays fully support U.2 NVMe, SAS, and SATA SSDs
- Hybrid backplane options for PCIe Gen5 and SAS4, featuring MCIO and Slimline connectors
- Tray front panel features a large cooling area with 17,000RPM fans to meets the PCIe Gen5 and SAS4 thermal needs
 - Two 2.5" SAS/SATA SSDs for system disks located at the rear of the chassis
- Optional highly efficient 2000W, 80 Plus[®] Platinum CRPS



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" hot-swap trays x 24 (supports U.2 NVMe/SAS/SATA drives) • Rear 2.5" hot-swap trays x 2 (supports SAS/SATA drives)
Power Supply	Supports: • Form factor: 80 Plus Platinum CRPS • Watt: 550W/800W/1200W/1600W/2000W • 2000W CRPS PDB pre-installed
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, USB 3.0 x 2
Backplane Type-1	• Host: MCIO(4i) x 8, Slimline (SFF-8654) x 2 for SAS/SATA transfer rates • SSD: NVMe/SAS/SATA SSD x 8 • Backplane pre-installed x 3pcs with 8-drive capacity of each
Backplane Type-2	• Host: MCIO(4i) x 12, Slimline (SFF-8654) x 4 for SAS/SATA transfer rates • SSD: SAS/SATA x 24 or NVMe x 12 and SAS/SATA SSD x 12 • Ethernet lan port x 1
Cooling Fans	Pre-installed 80 x 38mm PWM hot-swap fans x 4, 17000RPM
Expansion Slot	Low-profile 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)	663.6 x 448 x 87.5mm (26.1" x 17.6" x 3.4")
Package Dimensions (DxWxH)	845 x 595 x 223mm (33.3" x 23.4" x 8.8")
Weight	• Net weight: 13.23kg • Gross weight: 16.6kg
Cubic Feet	3.96
Container Information	Single packing with pallets: • 20': 160pcs • 40': 368pcs • 40' HQ: 414pcs



Backplane Specifications

Backplane Type-1	SAS4 & PCIe Gen5 2U 8-bays hybrid backplane (Pre-installed x 3pcs with 8-drive capacity of each)
Data Transfer Rate	SAS4 24Gb/s PCIe Gen5 32GT/s
Dimensions (W x H)	138mm x 81mm
Backplane Type	Passive
Host Interface	MCIO(4i) x 8, Slimline (SFF-8654) x 2 for SAS/SATA transfer rates
SSD Interface	NVMe/SAS/SATA SSD x 8

Backplane Type-2	SAS4 & PCIe Gen5 hybrid backplane and expander
Data Transfer Rate	SAS4 24Gb/s PCIe Gen5 32GT/s
Dimensions (W x H)	420mm x 81mm
Backplane Type	Active with expander board
Host Interface	MCIO(4i) x 12, Slimline (SFF-8654) x 4 for SAS/SATA transfer rates Ethernet lan port x 1
SSD Interface	SAS/SATA x 24 or NVMe x 12 and SAS/SATA SSD x 12

Rear Disk Backplane Specifications

Backplane	SAS3 backplane
Data Transfer Rate	SAS3 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
Slide Rail	3RAMIS152300 / 3RAMIS152400	28" tool-less & ball-bearing slide rail with CMA support	1
Cable	3RAMW6005400	MCIO 8i to MCIO 2 x 4i 500 mm cables	Max. 12
Cable	3RAMW6005200	MCIO 8i to MCIO 2 x 4i 600 mm cables	Max. 12
Cable		InWin can customize the connectors and cable lengths to meet customers' specific motherboard requirements	1 set
Power Supply	3RAMAP025102	80 Plus Platinum 550W CRPS	Max. 2
Power Supply	3RAMAP025202	80 Plus Platinum 800W CRPS	Max. 2
Power Supply	3RAMAP045100	80 Plus Platinum 800W CRPS	Max. 2
Power Supply	3RAMAP026501	80 Plus Platinum CRPS 1200W (AC input 100-127V, total power 800W max. / AC input 200-240V, total power 1200W max.)	Max. 2

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Item	Part Number	Description	Support
Power Supply	3RAMAP044300	80 Plus Platinum CRPS 1600W (AC input 100-127V, total power 1000W max. / AC input 200-240V, total power 1600W max.)	Max. 2
Power Supply	3RAMAP038600	80 Plus Platinum CRPS 2000W (AC input 100-127V, total power 1000W max. / AC input 200-240V, total power 2000W max.)	Max. 2
Backplane	2RBTVI011600	SAS4 & PCIe Gen5 hybrid backplane (2U 8bays)	Max. 3
Backplane	2RBTV1013301	SAS4 & PCIe Gen5 hybrid backplane	1
Backplane	2RAKID160200	SAS4 Expander	1
HDD Tray	2RAKPH074800	2.5" hot-swap HDD tray	Max. 24
HDD Tray	2RAKPH075400	2.5" hot-swap HDD tray	Max. 26 (included rear trays x 2)
Fan	2RAKFB020700	80 x 38mm PWM hot-swap fan, 17000RPM, 6pin	Max. 4
Others	2RAKIP022700	Mesh front panel	1
Others	3RAMRW011300	Intrusion switch / 800mm	1

* InWin NVMe backplane supports PCIe Gen5 & SAS4, the actual data transfer speed will be determined by MB and HDD specifications.

* All components and optional parts are not included. InWin reserves the right to make final modifications.