

IW-RS112-08

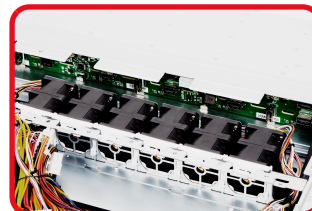
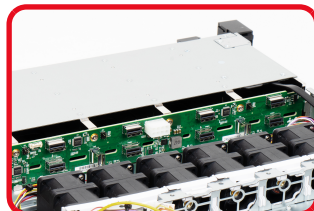
1U PCIe Gen5 NVMe Hybrid Rackmount Chassis

Storage Server



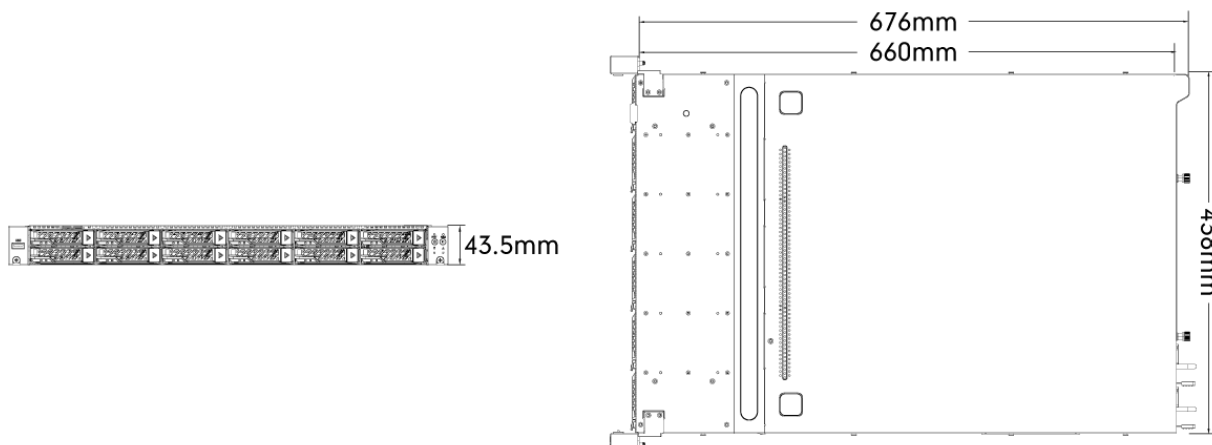
Features & Benefits

- Intel[®] Xeon Scalable & AMD EPYC family compliant
- Hybrid backplane options for PCIe Gen5, PCIe Gen4, SAS4 and SAS3, featuring MCIO, Slimline, and Mini-SAS HD connectors
- Compact bay deployment, supports max. U.2 NVMe/SAS/SATA drives x 12
- Tray front panel with large cooling area and six swappable fans for optimal airflow
 - Supports FHFL PCIe slot x 1, one riser card included in accessories box
- Custom I/O shield service offered for chassis backplate to match specific motherboards with SGCC material



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 U.2 NVMe/SAS/SATA drives x 12
Power Supply	Pre-installed: - Form factor: 1U redundant PSU, 80 Plus Platinum - Watt: 750W
Indicators	Power LED, LAN1/LAN2 LED, system LED, HDD LED, ID LED
Front Control Panel	Power on/off, system reset, NMI, ID SW, USB 3.0 x 1
Backplane Type-1	- Host: MCIO(4i) x 12, Slimline (SFF-8654 4i) x 3 for SAS/SATA transfer rates - HDD: SAS/SATA/NVMe x 12
Backplane Type-2	- Host: Mini-SAS HD (SFF-8643) x 3, Slimline (SFF-8654 8i) x 2 - HDD: SAS/SATA x 12 or SAS/SATA x 8 and NVMe SSD x 4
Backplane Type-3	- Host: Mini-SAS HD (SFF-8643) x 3 - HDD: SAS/SATA x 12
Cooling Fans	- PCIe Gen5 solution: Pre-installed 40 x 56mm PWM fans x 6, 33000 RPM - PCIe Gen4 solution: Pre-installed 40 x 56mm PWM fans x 6, 21500 RPM
Expansion Slot	One full-height PCIe slot with a PCIe Gen4 riser card and bracket included (Left-facing 90 degree design)
Material	- Material: SGCC - Thickness: 1.0mm
Rail Kit	Supports 28" tool-less & ball-bearing slide rails
Product Dimensions (DxWxH; Chassis Only)	676 x 438 x 43.5mm (26.6 x 17.2 x 1.7")
Package Dimensions (DxWxH)	820 x 590 x 175mm (32.3 x 23.2 x 6.9")
Weight (Chassis Only)	- Net weight: 10.6kg - Gross weight: 12.97kg
Cubic Feet	2.99
Container Information	Single packing with pallets: 20': 200pcs 40': 460pcs 40' HQ: 552pcs



Backplane Specifications

Backplane Type-1	SAS4 & PCIe Gen5 hybrid backplane
Data Transfer Rate	SAS4 24Gb/s PCIe Gen5 32GT/s
Dimensions (W x H)	404.5 x 52mm
Backplane Type	Passive
Host Interface	MCIO(4i) x 12, Slimline (SFF-8654 4i) x 3 for SAS/SATA transfer rates
HDD Interface	SAS/SATA/NVMe x 12

Backplane Type-2	SAS3 & PCIe Gen4 hybrid backplane
Data Transfer Rate	SAS3 12Gb/s PCIe Gen4 16GT/s
Dimensions (W x H)	404.5 x 52mm
Backplane Type	Passive
Host Interface	Mini-SAS HD (SFF-8643) x 3, Slimline (SFF-8654 8i) x 2
HDD Interface	SAS/SATA x 12 or SAS/SATA x 8 and NVMe SSD x 4

Backplane Type-3	SAS3 backplane
Data Transfer Rate	SAS3 12Gb/s
Dimensions (W x H)	404.5 x 52mm
Backplane Type	Passive
Host Interface	Mini-SAS HD (SFF-8643) x 3
HDD Interface	SAS/SATA x 12

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	3RAMW4084100	Slimline SFF-8654 8i to SFF-8654 8i, 450mm	Max. 2
Cable	3RAMW4031700	Mini SAS 12Gbps cable SFF-8643 to SFF-8643, 800mm	Max. 3
Cable		InWin can customize the connectors and cable lengths to meet customers' specific motherboard requirements	1 set
Power Supply	3RAMAP030400	750W 1U redundant PDB power cage	1
Power Supply	3RAMAP042200	750W 1U redundant module, 80 Plus Platinum, IEC 62368-1 certified	Max.2
Backplane	2RBTVI011500	SAS4 & PCIe Gen5 backplane	1
Backplane	2RBTVI008002	SAS3 & PCIe Gen4 backplane	1
Backplane	2RBTVI008102	SAS3 backplane	1
HDD Tray	2RAKPH066200	2.5" hot-swap HDD tray	Max.12
HDD Tray	2RAKPH068100	2.5" hot-swap HDD tray with NVMe symbol	Max.12

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Item	Part Number	Description	Support
Fan	2RAKFB020600	40 x 56mm PWM fan & fan bracket, 6pin, 33000 RPM, PCIe Gen5 solution	Max.6
Fan	2RAKFB011800	40 x 56mm PWM fan & fan bracket, 4pin, 21500 RPM, PCIe Gen4 solution	Max.6
Riser Card	2RAKPD079901	PCIe Gen4 x16 lanes riser card (left-facing 90 degree design)	1
Riser Card	2RAKPD087800	PCIe Gen5 x16 lanes riser card (left-facing 90 degree design)	1
Others	2RAKIP026500	Mesh front panel	1
Others		InWin can customize the I/O shield backplate for specific motherboards, with SGCC material to fulfill customers' specific I/O configuration requirements.	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.