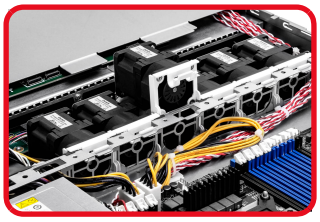
IW-RS108-07

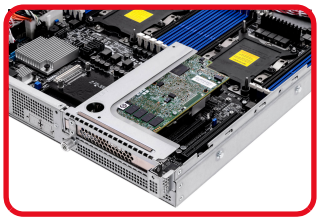
1U NVMe Hybrid Rackmount Chassis

Storage Server

Features & Benefits

- Intel® Xeon Scalable & AMD EPYC family compliant
- Backplanes with Mini-SAS HD and OCuLink connectors
- Maximum supports U.2 NVMe SSDs x 8; 3.5"/2.5" (15mm) trays x 4, and 2.5" (7mm) trays x 4
- Flexible storage configuration of 3.5" HDDs and 2.5" SSDs (15mm, 7mm)
- Intensive airflow generated by easy-swap cooling fans x 6
- Full-height PCIe slot x 1 (via riser card)
- 80 Plus® Platinum 1U redundant PSU(optional)
- Customized I/O shield backplate for specific motherboards with SGCC material





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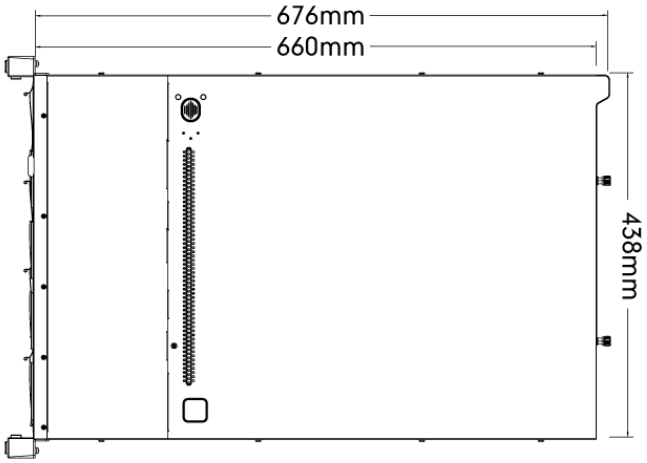
Specifications

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	• Top layer: external 2.5" hot-swap trays (7mm) x 4 • Bottom layer: external 3.5"/2.5" hot-swap trays x 4
Power Supply	Supports: • 750W 1U redundant PSU, 80 Plus Platinum
Indicators	Power LED, LAN1/LAN2 LED, system LED, HDD LED, ID LED
Front Control Panel	Power on/off, system reset, NMI, ID SW
Backplane- Top Layer	• Host: OCuLink (SFF-8611) x 5, one is for SAS/SATA data transfer rates • HDD: NVMe/SAS/SATA x 4 (2.5" 7mm)
Backplane- Bottom Layer	• Host: Mini-SAS HD (SFF-8643) x 1, OCuLink (SFF-8611) x 4 • HDD: NVMe/SAS/SATA x 4 (3.5"/2.5" 15mm)
Cooling Fans	40 x 56mm PWM easy-swap fans x 6, 21500RPM
Expansion Slot	Full-height PCIe slot x 1 (via riser card)
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"x17.2"x1.7")
Package Dimensions (DxWxH)	880 x 610 x 180mm
Weight (Chassis Only)	• Net weight: 8.5kg • Gross weight: 11.92kg
Cubic Feet	3.41
Container Information	Single packing with pallets: • 20': 200pcs • 40': 440pcs • 40'HQ: 528pcs



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Backplane Specifications

Backplane – Top Layer	SAS3 & PCIe Gen4 hybrid backplane
Dimension (W x H)	313.9mm x 33.5mm
Backplane Type	Passive
Host Interface	OCuLink (SFF-8611) x 5, one is for SAS/SATA data transfer rates
HDD Interface	NVMe/SAS/SATA x 4 (2.5" 7mm)

Backplane – Bottom Layer	SAS3 & PCIe Gen4 hybrid backplane
Dimension (W x H)	417.7mm x 33.5mm
Backplane Type	Passive
Host Interface	Mini-SAS HD (SFF-8643) x 1, OCuLink (SFF-8611) x 4
HDD Interface	NVMe/SAS/SATA x 4 (3.5"/2.5" 15mm)

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 12Gbps SFF-8643 to SFF-8643 cable, 800mm	Max.1
Cable	3RAMW4039700	SFF-8611 to SFF-8643, 800mm	Max.1
Cable		InWin can customize the SFF-8611/ SFF-8654 cables to fulfill customers' OCuLink/Slimline connectors requirements.	Max.8
Power Supply	3RAMAP042200	750W 1U redundant module, 80 Plus Platinum, IEC 62368-1 certified	Max.2
Power Supply	3RAMAP043000	750W 1U redundant PDB power cage	1
Back I/O Shield Plate	2RAKIQ020900	Rear I/O shield- ASRock EP2C624D16NM	1
Back I/O Shield Plate	2RAVIQ039500	Rear I/O shield- ASRock EP2C624D16NM w/Mezzing	1
Back I/O Shield Plate	2RAVIQ051200	Rear I/O shield- ASRock EP2C612D16C-4L	1
Back I/O Shield Plate	2RAVIQ051300	Rear I/O shield- ASRock EP2C622D16-2T	1
Back I/O Shield Plate	2RAKIQ020800	Rear I/O shield- ASUS Z11PR-D16	1
Back I/O Shield Plate	2RAKIQ021100	Rear I/O shield- Gigabyte MD61-SC2	1
Back I/O Shield Plate	2RAKIQ021000	Rear I/O shield- Intel H28527 S2600CW2R	1
Back I/O Shield Plate	2RAKIQ021200	Rear I/O shield- Tyan S7100AG2NR	1
Back I/O Shield Plate	-	InWin can customize the I/O shield backplate for specific motherboards, with SGCC material to fulfill customers' specific I/O configuration requirements.	1
HDD Tray	2RAKPH057702	2.5"/3.5" hot-swap HDD tray (Gray color)	Max. 4

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Item	Part Number	Description	Support
HDD Tray	2RAKPH038002	2.5" /3.5" hot-swap HDD tray (Black color)	Max. 4
HDD Tray	2RAKPH063701	2.5"/3.5" hot-swap HDD tray (Gray color with NVMe symbol)	Max. 4
HDD Tray	2RAKPH038102	2.5"/3.5" hot-swap HDD tray (Black color with NVMe symbol)	Max. 4
HDD Tray	2RAKPH063400	2.5" (7mm) hot-swap tray (Gray color)	Max. 4
HDD Tray	2RAKPH037800	2.5" (7mm) hot-swap tray (Black color)	Max. 4
HDD Tray	2RAKPH063900	2.5" (7mm) hot-swap tray (Gray color with NVMe symbol)	Max. 4
HDD Tray	2RAKPH037900	2.5" (7mm) hot-swap tray (Black color with NVMe symbol)	Max. 4
Fan	3RAMFB016400	40 x 56mm PWM easy-swap, 21500RPM, 4pin x 2	Max.6
Fan	2RAKFB011800	40 x 56 mm PWM easy-swap fan & fan bracket, 21500RPM, 4pin x 2	Max.6
Others	2RAKIP012002	Mesh front panel	1
Riser Card	2RAKPD074000	PCIe Gen3 x16 riser card, left-facing 90 degree design	1

* The actual product is subject to change without prior notice. In Win Development Inc. reserves the right to make any final modifications.
* The above image is for reference only. All hardware components and optional parts are not included.