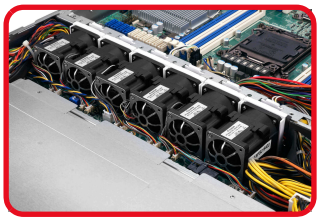
IW-RS104-07

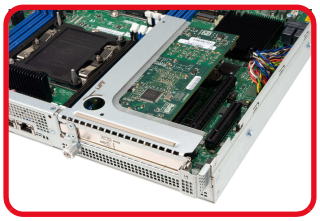
1U NVMe Hybrid Rackmount Chassis

Storage Server

Features & Benefits

- Intel® Xeon Scalable family compliant
- Backplanes with Mini-SAS HD, OCuLink or SlimSAS connectors (compatible with PCIe 4.0)
- 1U with 4 x hot-swappable 3.5" NVMe/SAS/SATA bays
- Supports maximum 7 x 2.5" SSD drives (4 x external drives and 3 x internal drives)
- Supports full-height PCIe slot x 1 (via riser card)
- Low acoustic noise and reduced vibrations for greater reliability
- Supports 1U 1+1 redundant PSU
- Customizes the I/O shield back plate for specific motherboards with SGCC material





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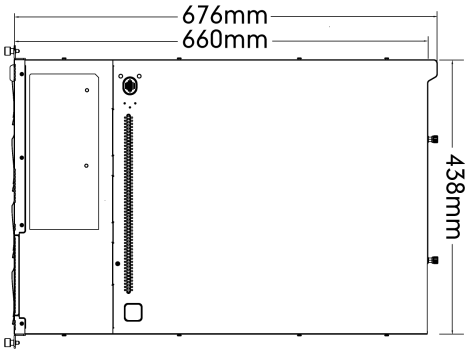
Specifications

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	• External: supports slim ODD x 1, 2.5"/3.5" hot-swap trays x 4 • Internal: 2.5" x 2 or x 3 (via slim ODD conversion tray)
Power Supply	Supports: • 750W 1U 1+1 redundant PSU, 80 Plus Platinum
Indicators	Power LED, LAN1/LAN2/LAN3/LAN4 LED, system LED, HDD LED, ID LED
Front Control Panel	Power on/off, system reset, NMI, ID SW, USB 3.0 x 2
Backplane Type-1	• Host: Mini-SAS HD (SFF-8643) x 1, SlimSAS (SFF-8654) x 4 • HDD: NVMe/SAS/SATA x 4
Backplane Type-2	• Host: Mini-SAS HD (SFF-8643) x 1, OCuLink (SFF-8611) x 4 • HDD: NVMe/SAS/SATA x 4
Backplane Type-3	• Host: Mini-SAS HD (SFF-8643) x 1 • HDD: SAS/SATA x 4
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)	820 x 590 x 175mm
Weight (Chassis Only)	• Net weight: 7.74kg • Gross weight: 10.53kg
Cubic Feet	2.99
Container Information	Single packing with pallets: • 20': 200pcs • 40': 460pcs • 40' HQ: 552pcs



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Backplane Specifications

Backplane Type-1	SAS3 & PCIe Gen4 hybrid backplane
Data Transfer Rate	SAS3 12Gb/s PCIe Gen4 16GT/s
Dimension (W x H)	416.6mm x 33mm
Backplane Type	Passive
Host Interface	Mini-SAS HD (SFF-8643) x 1, SlimSAS (SFF-8654) x 4
HDD Interface	NVMe/SAS/SATA x 4

Backplane Type-2	SAS3 & PCIe Gen4 hybrid backplane
Data Transfer Rate	SAS3 12Gb/s PCIe Gen4 16GT/s
Dimension (W x H)	416.6mm x 33mm
Backplane Type	Passive
Host Interface	Mini-SAS HD (SFF-8643) x 1, OCuLink (SFF-8611) x 4
HDD Interface	NVMe/SAS/SATA x 4

Backplane Type-3	SAS3 backplane
Data Transfer Rate	12Gb/s
Dimension (W x H)	416.6mm x 33mm
Backplane Type	Passive
Host Interface	Mini-SAS HD (SFF-8643) x 1
HDD Interface	SAS/SATA x 4

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	1
Cable		InWin can customize the SFF-8611/ SFF-8654 cables to fulfill customers' OCuLink/SlimSAS connectors requirements.	Max. 4
Power Supply	3RAMAP042200	750W 1U redundant module, 80 Plus Platinum, IEC 62368-1 certified	Max.2
Power Supply	3RAMAP030400	750W 1U redundant PDB power cage	1
Backplane	2RBTVI007401	Mini-SAS HD & SlimSAS backplane	1
Backplane	2RBTVI007301	Mini-SAS HD & OCuLink backplane	1
Backplane	2RBTVI001900	Mini-SAS HD backplane	1
HDD Tray	2RAKPH057702	2.5"/3.5" hot-swap HDD tray (gray color)	Max. 4
HDD Tray	2RAKPH063701	2.5"/3.5" hot-swap HDD tray (gray color with NVMe symbol)	Max. 4
Fan	3RAMFB016400	40 x 56mm PWM fan, 21500RPM, 4pin x 2	Max.6

Item	Part Number	Description	Support
Fan	2RAKFB011800	40 x 56mm PWM fan & fan bracket, 21500RPM, 4pin x 2	Max.6
Riser Card	2RAKPD074000	PCIe Gen3 x16 riser card, left-facing 90 degree design	1
Riser Card	2RAKPD079901	PCIe Gen4 x16 riser card, left-facing 90 degree design	1
Riser Card	2RAKPD087800	PCIe Gen5 x16 riser card, left-facing 90 degree design	1
Riser Card	2RAKIS305000	PCIe Gen5 riser card bracket	1
Others	2RAKIP012002	Mesh front panel	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	2RAVIQ054000	Rear I/O shield- Supermicro X11SCM-F	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

* 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.