

IW-RS104-07

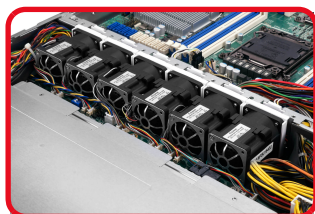
1U NVMe Hybrid Storage Server

Storage Server



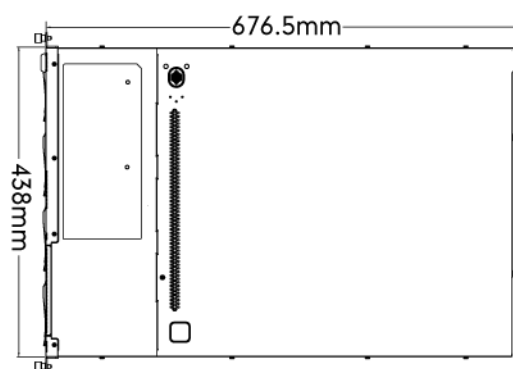
Features & Benefits

- Intel® Xeon Scalable family compliant
- Backplanes with Mini-SAS HD, Oculink or Slimline connectors
 - 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 single or 1U 1+1 Redundant PSU



Specifications

Industry Standard	EIA-RS310D
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 • 650W 1U single PSU, 80 Plus Gold
Indicator	Power LED, LAN1/LAN2/LAN3/LAN4 LED, System LED, HDD LED, ID LED
Front Control Panel	Power on/off, Reset, NMI, ID SW, USB 3.0 x 2
Backplane Type-1	• Host: Mini-SAS HD (SFF-8643) x 1, Slimline (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 Fan	40 x 56mm PWM easy-swap fans x 6, 21500RPM modular design with anti-vibration
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)	676.5 x 438 x 43.4mm (26.6" x 17.2" x 1.7")
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



12Gb/s Backplane Specifications

Backplane Type-1	Mini-SAS HD & Slimline Backplane
Dimension (W x H)	416.6mm x 33mm
Backplane Type	Passive
Host Interface	Mini-SAS HD (SFF-8643) x 1, Slimline (SFF-8654) x 4
HDD Interface	NVMe/SAS/SATA x 4

Backplane Type-2	Mini-SAS HD & Oculink Backplane
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	Mini-SAS HD Backplane
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
Slide Rail	3RAMIS152300 / 3RAMIS152400	28" tool-less & ball-bearing slide rail with CMA support	1 set
Cable	3RAMW4031700	Mini SAS 12G cable SFF-8643 to SFF-8643, 800mm	1
Power Supply	3RAMAP028600	650W 1U single PSU, 80 Plus Gold	1
Power Supply	3RAMAP030400	750W 1U redundant PDB power cage	1
Power Supply	3RAMAP028000	750W 1U redundant module, 80 Plus Platinum	Max.2
Backplane	2RBTVI002301	Mini-SAS HD & Slimline backplane	1
Backplane	2RBTVI002201	Mini-SAS HD & Oculink backplane	1
Backplane	2RBTVI001900	Mini-SAS HD backplane	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

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Item	Part Number	Description	Support
Back I/O Shield Plate	-	InWin can customize the I/O Shield back plate for specific motherboards, with SGCC material, to provide the highest flexibility for your computing needs.	1
HDD Tray	2RAKPH038001	2.5"/3.5" hot-swap HDD tray	Max. 4
HDD Tray	2RAKPH057701	2.5"/3.5" hot-swap HDD tray	Max. 4
HDD Tray	2RAKPH038101	2.5"/3.5" hot-swap HDD tray (NVMe)	Max. 4
Fan	3RAMFB016400	40 x 56mm PWM fan, 21500RPM, 4pin x 2	Max.6
Fan	2RAKFB011800	40 x 56mm PWM fan & fan bracket, 4pin x 2	Max.6
Riser Card	3RAMPD038000	PCIe Gen3 x16 riser card, left-facing 90 degree design	1
Others	2RAKIP012002	Mesh front panel	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.