IW-RS116-E1

1U PCIe Gen5 NVMe E1.S Rackmount Chassis

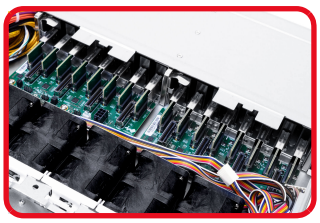
Storage Server

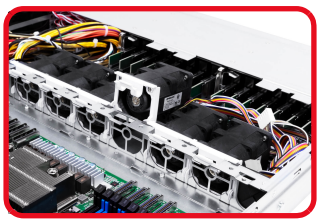


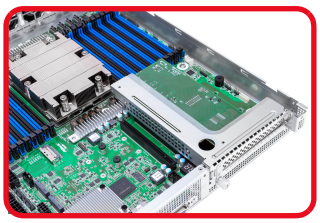
Features & Benefits

- 1U high density PCIe Gen5 solution storage server
- Compact bay design, supports up to 16 E1.S NVMe hot-swap bays
- Two pre-installed backplane with MCIO 8i connectors for high-speed data transfer
- Six Easy-swap 40 x 56mm 33000RPM fans effectively meets PCIe Gen5 cooling needs
- Supports one FHFL PCIe slot for future upgrades and expansion
- Custom I/O shield service available, designed to match specific motherboards with SGCC material









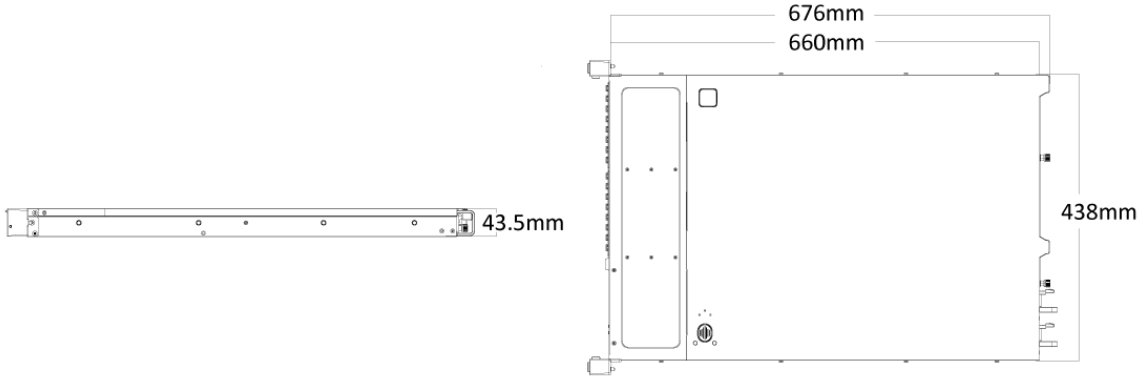
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Storage Server

Specifications

Industry Standard	Compatible with EIA-RS310D standard 19" cabinets
Form Factor	ATX (12" x 9.6"), CEB (12" x 10.5"), EEB(12" x 13")
Drive Bay	• External NVMe E1.S 15mm hot-swap trays x 16 • Internal 2.5" x 2
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, reset, ID SW, USB 3.0 x 2
Backplane	• Host: MCIO 8i x 4 • SSD: NVMe E1.S 15mm x 8 • Backplane cage kits pre-installed x 2pcs with 8-drive capacity of each
Cooling Fans	Pre-installed 40 x 56mm PWM fans x 6, 33000 RPM
Expansion Slot	Full-Height PCIe slot x 1
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)	930 x 600 x 178 mm (35.4”x23.6”x7”)
Weight (Chassis Only)	• Net weight: 9.17 kg • Gross weight: 11.96 kg
Cubic Feet	3.51
Container Information	Single packing with pallets: • 20’: 200pcs • 40’: 420pcs • 40'HQ: 462pcs



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Backplane Specifications

Backplane	PCIe Gen5 backplane (Pre-installed x 2pcs with 8-drive capacity of each)
Data Transfer Rate	32GT/s
Dimensions (W x H)	127.9 x 52.3mm
Backplane Type	Passive
Host Interface	MCIO 8i x 4
SSD Interface	E1.S NVMe x 8

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	3RAMW6006300	MCIO (SFF-TA-1016) 8i to MCIO (SFF-TA-1016) 8i Cable, 400 mm	Max. 8
Cable	3RAMW6006200	MCIO (SFF-TA-1016) 8i to MCIO (SFF-TA-1016) 8i Cable, 550 mm	Max. 8
Cable		InWin can customize the connectors and cable lengths to meet customers' specific motherboard requirements	
Power Supply	3RAMAP048600	750W 1U redundant PDB power cage	1
Power Supply	3RAMAP042200	750W 1U redundant module, 80 Plus Platinum, IEC 62368-1 certified	Max. 2
Fan	2RAKFB020600	40 x 56mm PWM fan & fan bracket, 6pin, 33000 RPM, PCIe Gen5 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, the actual data transfer speed will be determined by MB and SSD specifications.
* All components and optional parts are not included. InWin reserves the right to make final modifications.