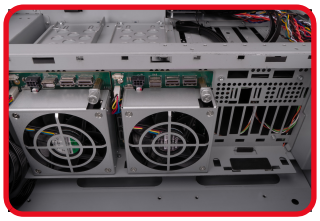
IW-PLG ULTRA

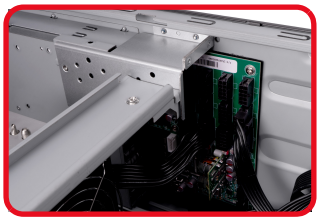
PCIe Gen5 High-Performance GPU Workstation

Pedestal Tower

Features & Benefits

- Compatible with Intel® Xeon® Scalable and AMD EPYC™ processors
- 9 PCIe slots supporting up to 4 × FHFL double-width GPU cards
- Adjustable GPU retention bracket for full-height GPU cards
- High efficiency 80 PLUS® Platinum CRPS power module
- Modular of PDB with flexible cable harness options allowing customer need
- Maximum 14 drive bays with 12 × 2.5"/3.5" hot-swap and 2 × 2.5" internal
- Supports PCIe Gen5 NVMe and SAS4/SATA 3 × 4-bay backplanes
- Up to 6 fans for optimized cooling: 3 × 92 mm, 1 × 120 mm, plus 2 × 80 mm external fans
- Lockable front and side panels
- Rack-mountable with optional slide rail support





IW-PLG ULTRA

PCIe Gen5 High-Performance GPU Workstation

Pedestal Tower

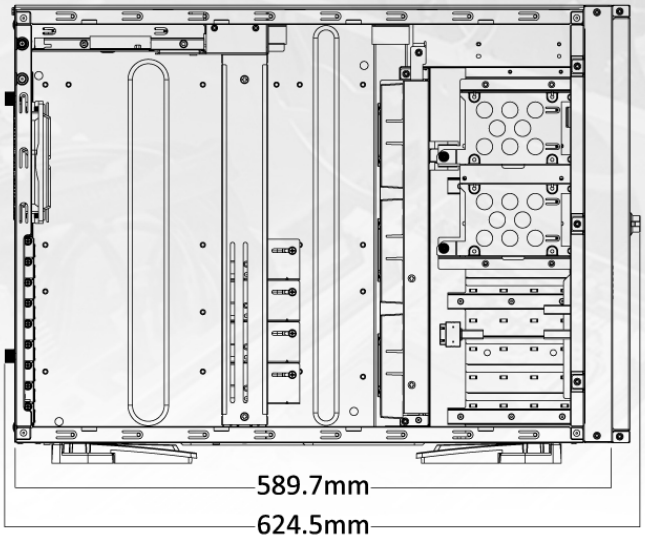
Specifications

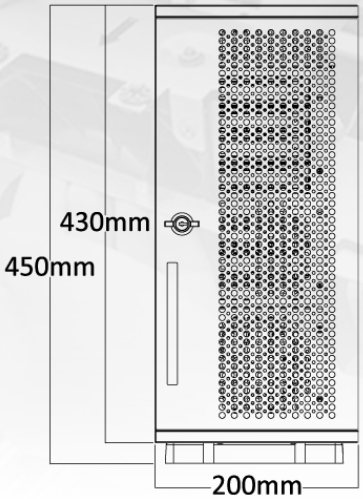
Industry Standard	Compatible with EIA-RS310D Standard 19" Cabinets
M/B Form Factor	ATX(12" x 9.6"), CEB(12" x 10.5"), EEB(12" x 13")
Drive Bay	• External 2.5"/3.5" Hot-Swap bays x 12 (Pre-Installed x 8), 5.25" x 1 • Internal 2.5" x 2 or 3.5" x 1
Power Supply	Supports: • Form Factor: 1+1 CRPS, 80 PLUS Platinum • Watt: 1600W/2000W • CRPS PDB Pre-Installed, with Modular Power Cables
Indicators	Power Status, HDD Activity, LAN1/LAN2/LAN3/LAN4 Activity, System ID, System Fail
Front Control Panel	Power Switch, ID Switch,System Reset, NMI, USB 3.0 x 2
Chassis Security	Supports padlock loop and Kensington lock slot
Backplane	PCIe Gen5 NVMe & SAS4 4-Bay Backplane x 3 (Pre-Installed x 2) Per backplane: • Host: MCIO 4i × 4, SlimSAS 4i (SFF-8654) × 1 • Drive: NVMe / SAS4 / SATA × 4
Cooling Fans	• Front: Fan Kit with 92x25 mm PWM Fan x 1 (Pre Installed x 1, up to 2 Kits) • Middle: 92x25 mm PWM Fan x 3 (Pre installed x 2) • Rear: 120x25 mm PWM Fan x 1 (Pre installed) • External: Optional GPU Cooling Fan Kit, 80×38 mm Fan x 2, 8300 RPM
Expansion Slot	Full-Height PCIe Slot x 9
Material	• Material: SGCC • Thickness: 1.0mm
Maximum Capacity	• GPU Length: Max. 330mm • CPU Heatsink Height: Max. 145mm
Rail Kit	Supports 28" tool-less & ball-bearing slide rail
Product Dimensions (DxWxH; Chassis Only)	589.7 x 200 x 430mm (23.22" x 7.87" x 16.93")
Package Dimensions (DxWxH)	860 x 610 x 360 mm
Weight (Chassis Only)	• Net Weight: 16.79kg • Gross Weight: 21.15kg
Cubic Feet	6.67
Container Information	Single Packing with Pallets: • 20': 100pcs • 40': 220pcs • 40' HQ: 264pcs

IW-PLG ULTRA

PCIe Gen5 High-Performance GPU Workstation

Pedestal Tower





IW-PLG ULTRA

PCIe Gen5 High-Performance GPU Workstation

Pedestal Tower

Backplane Specifications

Backplane	PCIe Gen5 NVMe & SAS4 Hybrid Backplane
Data Transfer Rate	PCIe Gen5 32 GT/s, SAS4 24 Gb/s
Dimension (W x H)	111.5 x 111.5 mm
Backplane Type	Passive
Host Interface	MCIO 4i x 4 for NVMe, SlimSAS 4i (SFF-8654) x 1 for SAS/SATA
Drive Interface	NVMe/SAS4/SATA x 4

Optional Items

Item	Part Number	Description	Support
Power Supply	3RAMAP044300	80 PLUS Platinum 1600W CRPS (AC Input 100-127V: 1000W Max. / 200-240V: 1600W Max.)	Max. 2
Power Supply	3RAMAP038600	80 PLUS Platinum 2000W CRPS Included (AC Input 100-127V: 1000W Max. / 200-240V: 2000W Max.)	Max. 2
Backplane	2RBTVI014501	PCIe Gen5 NVMe (32 Gb/s) & SAS4 (24Gb/s) / SATA Hybrid Backplane (2 pre-installed)	Max. 3
Drive Tray	2RAKPH074600	IW-SK-09 2.5"/3.5" Hot-Swap Tray with NVMe Symbol for PCIe Gen5 NVMe (8 pre-install)	Max. 12
Drive Tray	2RAKPH075300	IW-SK-09 2.5"/3.5" Hot-Swap Tray with Black Finish for SAS4/SATA	Max. 12
Dummy Bay Cover	2RAPIC031301	4-Bay 3.5" Filler Panel	1
Fan Kit	2RAKFB011900	Front Fan Kit: 92×25 mm PWM fan x 1 with filler panel and air duct (1 pre-installed)	Max. 2 Sets
Fan Kit	2RAKID079801	External Rear Fan Kit: 80x38mm Fan x 2, 8300RPM, for GPU Cooling	1 Set
Cable	3RAMW6005400	MCIO (SFF-TA-1016) 8i to 2 x MCIO (SFF-TA-1016) 4i Cable, 500 mm, for PCIe Gen5 NVMe	Max. 6
Cable	3RAMW4092200	SlimSAS (SFF-8654) 8i to 2 x SlimSAS (SFF-8654) 4i cable, 600 mm, for SAS4/SATA	Max. 3
Cable	3RAMW7131300	10-pin to 6-pin Micro-Fit 3.0 Backplane Power Cable, 650 mm	1
Slide Rail	3RAMIS152700	28" Tool-Less Ball-Bearing Slide Rails with 60 kg Load Capacity	1 Set
Others	2RAVIS887600	RTX 5090 Dedicated GPU Holder, 2 mm stainless-steel construction (Custom-designed to match the GPU model)	Max. 2
Others	2RAKIS232800	Rack Mounting Ear (Left)	1
Others	2RAKIS232900	Rack Mounting Ear (Right)	1

* InWin NVMe backplanes support PCIe Gen5 data transfer speeds. Actual speed depends on motherboard and drive specifications.
* All hardware components and optional parts are not included. InWin reserves the right to make final modifications.