

IW-RL100

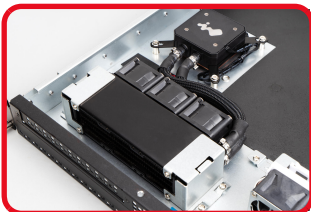
1U Liquid-Cooled Rackmount Chassis

Server



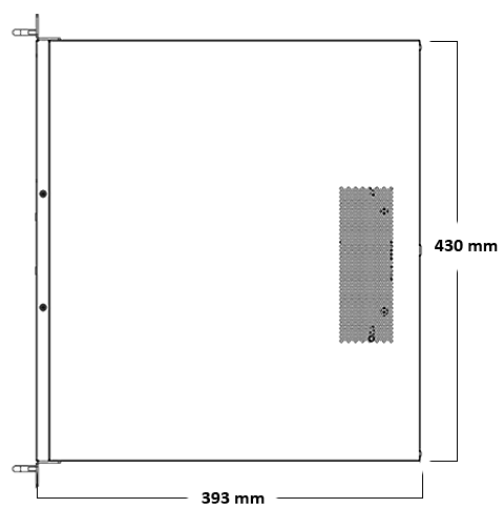
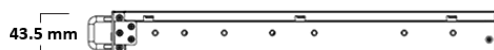
Features & Benefits

- Liquid-cooled 1U rackmount chassis designed for edge server applications
- Pre-installed 120 mm 1U height AIO with three 14,500 RPM fans mounted
 - Optional two 40 x 28 mm front fans to enhance thermal dissipation
 - Supports 1U flex form factor PSU (up to 450W)
 - Optional PCIe riser card Gen3 and riser card bracket



Specifications

Industry Standard	Compatible with EIA-RS310D standard 19" cabinets
M/B Form Factor	ATX (12" x 9.6")
Drive Bay	Internal • 3.5" x 1
Power Supply	Supports: • Form factor: Flex • Watt: 315W/450W
Indicators	Power LED, LAN1/LAN2 LED, system LED, HDD LED
Front Control Panel	Power switch, system reset, USB 3.0 x 2
Cooling Fans	Supports: • 40 x 28 mm PWM front fans x 2 (optional), 14500RPM, 4pin
Water Cooling Radiator	Pre-installed • Front 120 mm AIO liquid cooler x 1 (1U Height) • 40 x 28 mm PWM fan x 3, 14500RPM, 4pin
Expansion Slot	Full height PCI slots x 1 (via optional riser card and bracket)
Material	• Material: SGCC • Thickness: 1.0
Rail Kit	Supports 20" friction slide rail
Product Dimensions (DxWxH; Chassis Only)	393.2 x 430 x 43.5 mm (15.48" x 16.93" x 1.71")
Package Dimensions (DxWxH)	592 x 518 x 155 mm (23.3"x 20.4"x 6.1")
Weight	• Net weight: 4.28 kg • Gross weight: 5.46 kg
Cubic Feet	1.68
Container Information	Single packing with pallets: • 20': 440 pcs • 40': 968 pcs • 40'HQ: 1056 pcs



Water Cooling Specifications

CPU Socket Support	• Intel® LGA 1851/ 1700/ 1200/ 20xx/ 1151/ 115x (bracket pre-installed) • AMD AM5/ AM4/ AMx/ FMx
Radiator Dimensions (L x W x H)	151 x 40 x 51 mm
Tube Length	170/195 mm
Pump Speed	4200 RPM +/- 10%
Pump Power	3.9W (4.6W MAX)
Fans	40 x 28 mm fans x 3pcs, 14500RPM, 4-Pin 12V connectors
Fan Airflow	26.1 CFM
Fan Air Pressure	1.32 mm / H2O

Optional Items

Item	Part Number	Description	Support
Slide Rail	3RAMIS032202	20" friction slide rails	1
Power Supply	1DDU315AU20222	IP-P315AU7-2, 1U Flex PSU, 315W, 80 Plus Gold	1
Power Supply	1DDU350BU20030	IP-P350BU7-2, 1U Flex PSU, 350W, 80 Plus Platinum	1
Power Supply	1DDU450BU20031	IP-P450BU7-2, 1U Flex PSU, 450W, 80 Plus Platinum	1
Fan	3RAMFB010802	40 x 28mm PWM fan, 14500RPM, 4pin	2
Fan	2RARIS158600 / 2RARIS158500	Fan bracket	1
Water Cooling Radiator	2RAKBA007801	120 mm 1U Height AIO liquid cooler	1 set
Riser Card	2RAKPD049200	1U PCIe Gen3 x16 lanes riser kit, ITX MB compatibility	1
Riser Card	3RAMPD020200	PCIe Gen3 x16 lanes riser card, left-facing 90 degree design	1
Riser Card	2RARIC026400	1U riser card bracket, ATX/mATX MB compatibility	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

* The actual product is subject to change without prior notice. In Win Development Inc. reserves the right to make any final modifications

* The adjacent image is for reference only. All hardware components and optional parts are not included.