



Features & Benefits

- Intel[®] Xeon Scalable & AMD EPYC family compliant
 - Supports 2.5"/3.5" hot-swap HDD trays x 16
- Optional NVMe trays x 8, green trays distinguish U.2 NVMe SSDs
- Rear drive bays support 2 x 2.5" SAS/SATA SSDs for system disks
 - End-to-end 12Gbps SAS host, expander and disk support
- Internal disk brackets for 3 x 2.5" SAS/SATA SSDs (one is optional), 1 x slim ODD



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 | <ul style="list-style-type: none"> External 2.5"/3.5" hot-swap trays x 16 (optional U.2 NVMe SSD trays x 8) Internal 2.5" SSDs x 3 (one for option) and slim ODD x 1 Rear 2.5" screwless hot-swap HDD trays x 2 (supports SAS 12Gbps) |
| Power Supply | Supports: <ul style="list-style-type: none"> Form factor: 80 Plus Platinum CRPS Watt: 550W/800W/1200W/1600W |
| Indicator | Power LED, LAN1/LAN2/LAN3/LAN4 LED, system LED, ID LED, HDD LED |
| Front Control Panel | Power on/off, reset, NMI, ID SW, USB3.0 x 2 |
| Backplane Type-1 | <ul style="list-style-type: none"> Host: Mini-SAS HD (SFF-8643) x 3, Slimline (SFF-8654) x 8 HDD: SAS/SATA x 16 or SAS/SATA x 8 and NVMe SSD x 8 |
| Backplane Type-2 | <ul style="list-style-type: none"> Host: Mini-SAS HD (SFF-8643) x 3, OCUlink (SFF-8611) x 8 HDD: SAS/SATA x 16 or SAS/SATA x 8 and NVMe SSD x 8 |
| 12Gbps Expander Module | Supports broadcom SAS 35 x 36R expander |
| Cooling Fan | <ul style="list-style-type: none"> 80 x 38mm PWM hot-swap fans x 4, 12000RPM Modular design with anti-vibration |
| Expansion Slot | Full-height PCIe slots x 7 |
| Material | <ul style="list-style-type: none"> Material: SGCC Thickness: 1.2mm |
| Rail Kit | Supports 28" tool-less & ball-bearing slide rails |
| Product Dimensions (DxWxH; Chassis Only) | 660 x 448 x 132.1mm (26" x 17.6" x 5.2") |
| Package Dimensions (DxWxH) | 845 x 595 x 267mm |
| Weight (Chassis Only) | <ul style="list-style-type: none"> Net weight: 17.63kg Gross weight: 21.03kg |
| Cubic Feet | 4.74 |
| Container Information | Single packing with pallets: <ul style="list-style-type: none"> 20': 140pcs 40': 322pcs 40'HQ: 368pcs |



12Gbps Backplane Specifications

| | |
|-------------------|---|
| Backplane Type-1 | Mini-SAS HD & Slimline backplane |
| Dimension (W x H) | 405mm x 106mm |
| Backplane Type | Active with expander onboard |
| Host Interface | Mini-SAS HD (SFF-8643) x 3, Slimline (SFF-8654) x 8 |
| HDD Interface | SAS/SATA x 16 or SAS/SATA x 8 and NVMe SSD x 8 |

| | |
|-------------------|--|
| Backplane Type-2 | Mini-SAS HD & OCUlink backplane |
| Dimension (W x H) | 405mm x 106mm |
| Backplane Type | Active with expander onboard |
| Host Interface | Mini-SAS HD (SFF-8643) x 3, OCUlink (SFF-8611) x 8 |
| HDD Interface | SAS/SATA x 16 or SAS/SATA x 8 and NVMe SSD 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 | 3RAMW4031700 | Mini SAS 12Gbps SFF-8643 to SFF-8643 cable, 800mm | Max.3 |
| Cable | | InWin can customize the SFF-8611/ SFF-8654 cables to fulfill customers' OCUlink/Slimline connectors requirements. | Max.8 |
| Power Supply | 3RAMAP025102 / 3RAMAP042800 | 80 Plus Platinum 550W CRPS / CRPS PDB | Max. 2 |
| Power Supply | 3RAMAP025202 / 3RAMAP042800 | 80 Plus Platinum 800W CRPS / CRPS PDB | Max. 2 |
| Power Supply | 3RAMAP045100 / 3RAMAP045000 | 80 Plus Platinum 800W CRPS / CRPS PDB | Max. 2 |
| Power Supply | 3RAMAP026501 / 3RAMAP042800 | 80 Plus Platinum CRPS 1200W (AC input 100-127V, total power 800W max. / AC input 200-240V, total power 1200W max.) / CRPS PDB | Max. 2 |
| Power Supply | 3RAMAP044300 / 3RAMAP042800 | 80 Plus Platinum CRPS 1600W (AC input 100-127V, total power 1000W max. / AC input 200-240V, total power 1600W max.) / CRPS PDB | Max. 2 |
| Backplane | 2RBTVI009600 | Mini-SAS HD & Slimline backplane | 1 |
| Backplane | 2RBTVI005400 | Mini-SAS HD & OCUlink backplane | 1 |
| HDD Tray | 2RAKPH057702 | 2.5"/3.5" hot-swap HDD tray (gray color) | Max. 16 |
| HDD Tray | 2RAKPH038002 | 2.5" /3.5" hot-swap HDD tray (black color) | Max. 16 |
| HDD Tray | 2RAKPH063701 | 2.5"/3.5" hot-swap HDD tray (gray color with NVMe symbol) | Max. 8 |
| HDD Tray | 2RAKPH038102 | 2.5"/3.5" hot-swap HDD tray (black color with NVMe symbol) | Max. 8 |
| HDD Tray | 2RAKPH057801 | 2.5" Screwless hot-swap SSD rear tray (gray color) | Max. 2 |
| HDD Tray | 2RAKPH038200 | 2.5" Screwless hot-swap SSD rear tray (gold color) | Max. 2 |
| HDD Tray | 2RAHID022101 | Internal 2.5" HDD bracket | 1 |
| Fan | 3RAMFB016301 | 80 x 38mm PWM hot-swap, 12000RPM, 6pin | Max. 4 |

IW-RS316-07

3U NVMe Hybrid Storage Server

Storage Server

| Item | Part Number | Description | Support |
|--------|--------------|--|---------|
| Fan | 2RAKFB011601 | 80 x 38mm PWM hot-swap fan & fan bracket, 12000RPM, 6pin | Max. 4 |
| Others | 2RAKIP023200 | Mesh front panel | 1 |
| Others | 3RAMRW011300 | Intrusion switch / 800mm | 1 |

* InWin NVMe backplane supports PCIe 4.0, the actual data transfer 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 any final modification.