



## AX Cloud Cabinet Series

2013

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## AX Cloud Cabinet Series

Compared to traditional Data Center, a new Cloud Data Center will adopt a lot of high-density servers to fulfill the huge demand of cloud computing and cloud storage; therefore, the cabinets located on Cloud Data Center have to meet the extreme requirement of anti-seismic, high-density loads and thermal management. AX series cloud cabinet comes with a number of innovations which is designed and used for Cloud Data Center. Knock-down packing design is easy for shipment, installation and maintenance to minimize Total cost of Ownership.

- EIA-310-D Compliant
- Main body and mounting rails are made of high strength AL6063-T5
- Use with modular hot aisle/cold aisle products to achieve the target of energy saving
- Load rating: 1500Kg
- Withstand the earthquake intensity scale 7 (0.56 g, loading: 1000 Kg)
- GR-63-CORE seismic-tested

AZ SERIES CABINET

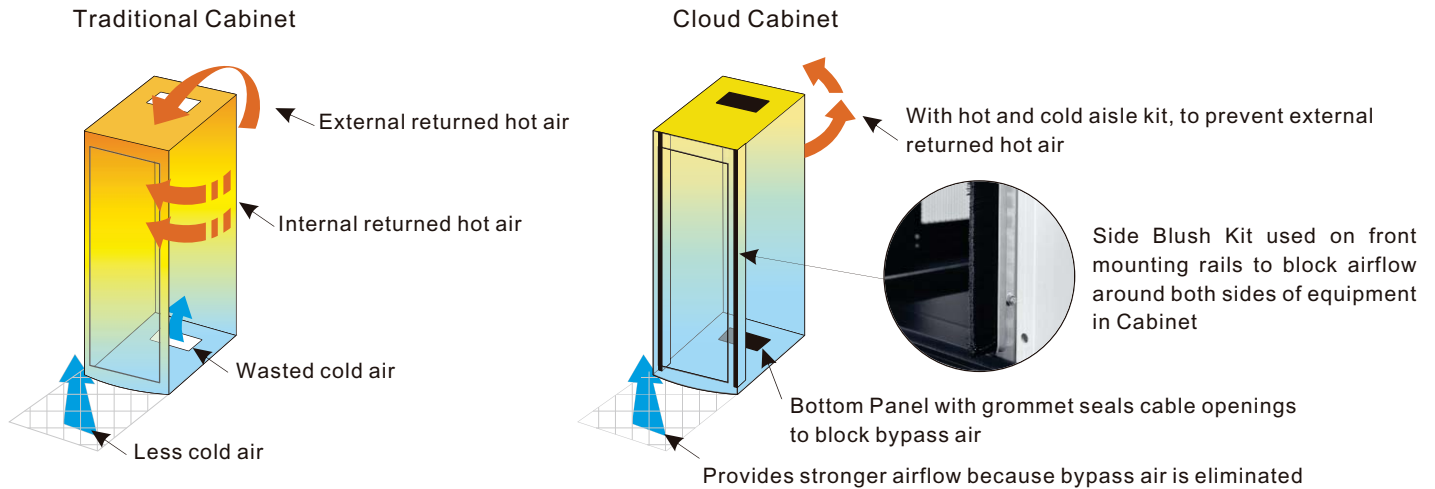


AD SERIES CABINET

## Thermal Management

Currently, thermal management is the most serious and urgent issue in a Data center. Compared with the traditional cabinet, a new AX cloud cabinet has the advantages of higher ventilation rates and hot air/cold air airflow path management to avoid the mixing of hot air and cold air as well as improve the efficiency of CRAC or CRAH,

- Perforated front and back doors provide more than 70% of ventilation
- Brush grommets used on cable holes to block airflow into or out of cabinet
- Internal Side Blush Kit used on front mounting rails to block airflow around both sides of equipment in Cabinet
- Raised Floor Grommet blocks bypass airflow through cable holes in access floor tiles



## Modularized Design

- Front door: Single perforated door with 70% of ventilation, quick release without tool
- Rear door: Split perforated door with 70% of ventilation, quick release without tool
- Side panels: 2 sectional side panels with locks

- Top panel: Slide latch to open, simply push panel to close; panel with one brush-sealed opening and one removable cover plate for optional fan kit

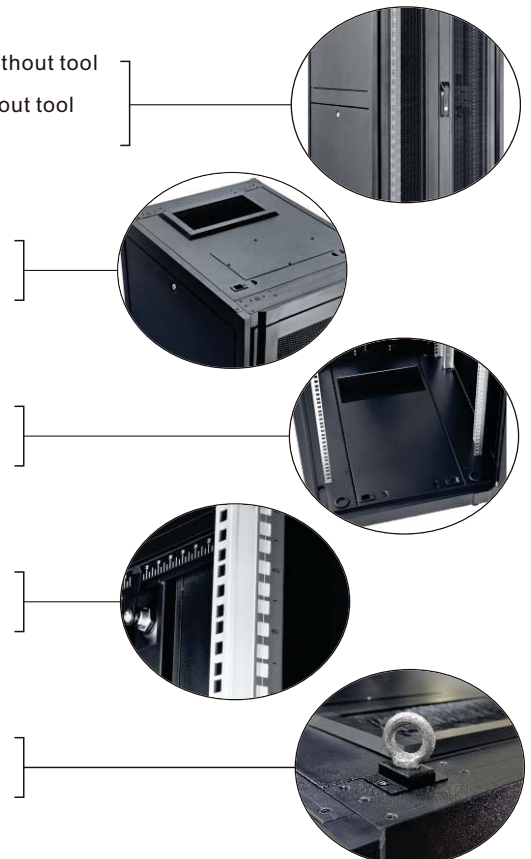
- Bottom panel: Slide latch to open, simply push panel to close; cable opening with Grommet

- RMU numbered on mounting rails to facilitate the installation of rack-mountable equipment
- Horizontal mounting rail with scale marked to make adjusting vertical mounting rails easier

- Optional eye bolt on the top corners of cabinet

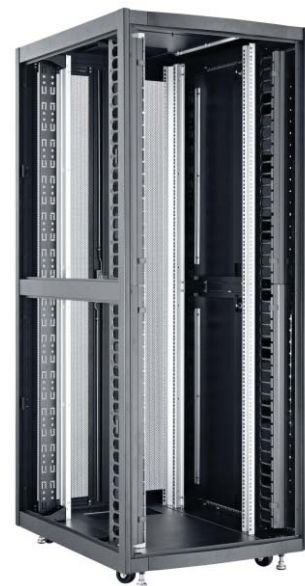
- Unique clip nut, no tools required to facilitate the installation

- Cabinets baying together without gap



## Cable Management for 800mm Wide Cabinet

- Top panels include three large brush-sealed access ports that will handle bundles of cables
- 2 optional vertical cables managers installed on the front both side of cabinet, providing frequent 1U spacing of the cable guides that aligns precisely with the cabinet spacing. Snap-on covers are included and swing open to the right or left
- More optional cable management accessories create a complete vertical and horizontal pathway for premise cabling and patch cords



## Others

- PDU: a large variety of sizes and configurations available to meet almost any need
- Optional grounding busbars
- More accessories, please refer to the next page for more details

## Ordering Information

Part number	Specification				
	Width(mm)	Depth(mm)	Height(mm)		
			H0	H1	H2
AD-42080S-352X	600	800	1870	1990	2060
AD-42100S-352X	600	1000	1870	1990	2060
AD-42110S-352X	600	1100	1870	1990	2060
AD-42120S-352X	600	1200	1870	1990	2060
AD-42080W-352X	800	800	1870	1990	2060
AD-42100W-352X	800	1000	1870	1990	2060
AD-42110W-352X	800	1100	1870	1990	2060
AD-42120W-352X	800	1200	1870	1990	2060
AZ-42080S-152X	600	810	1870	1990	2060
AZ-42100S-152X	600	1010	1870	1990	2060
AZ-42110S-152X	600	1110	1870	1990	2060
AZ-42120S-152X	600	1210	1870	1990	2060
AZ-42080W-152X	800	810	1870	1990	2060
AZ-42100W-152X	800	1010	1870	1990	2060
AZ-42110W-152X	800	1110	1870	1990	2060
AZ-42120W-152X	800	1210	1870	1990	2060

H0: Internal available space; H1: External height(Caster excluded);H2: External height(Caster included); X: Color code; 1=Black; 2=White

## ACCESSORIES

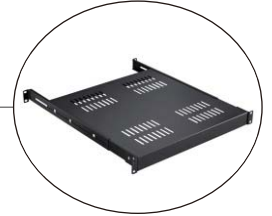
### Snap-in Filler Panel

Filler Panels fill empty spaces between mounted equipment to block airflow through the open spaces and keep the hot air at the back. It's tool free and available from 1U to 3U



### BF Fixed Shelf

Vented shelves have adjustable mounting depths and support up to 100 Kg



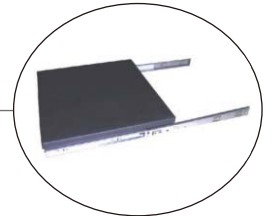
### Sliding Keyboard Tray

Use sliding keyboard tray to support keyboard, mouse and other small devices, 19"W x 16"D (400 mm), extends 16" (400 mm) for full access to keyboard



### Sliding Shelf

Use sliding shelf to support equipment without sliding brackets to facilitate equipment maintenance, extends 22" (550 mm) for 24" (600 mm) depth shelf



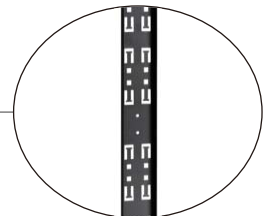
### Horizontal cable Manager

Unique plastic finger design; use Horizontal Cable Managers above or below patch panels and network equipment to organize cables. Snap-on covers are included and open up or down to access cables



### Multifunctional Mounting Bracket

Attaches to the cabinet frame and provides multi attachment points for vertical Power Distribution Unit or pathway for cable management.



### Raised Floor Grommet

Raised Floor Grommets can be used on raised floor and Aiworld cabinets to block airflow through cable holes and protect cables. Grommets can be customized according to the size of the openings.



## Aiworld Total Solutions :



● Rack & Cabinet Systems

● Cable Management & Cable Tray

● Thermal Management Solution

● Power Distribution Unit

● Grounding & Seismic Protection Systems

For more information, please visit our website at <http://www.aiworld.com.tw>



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