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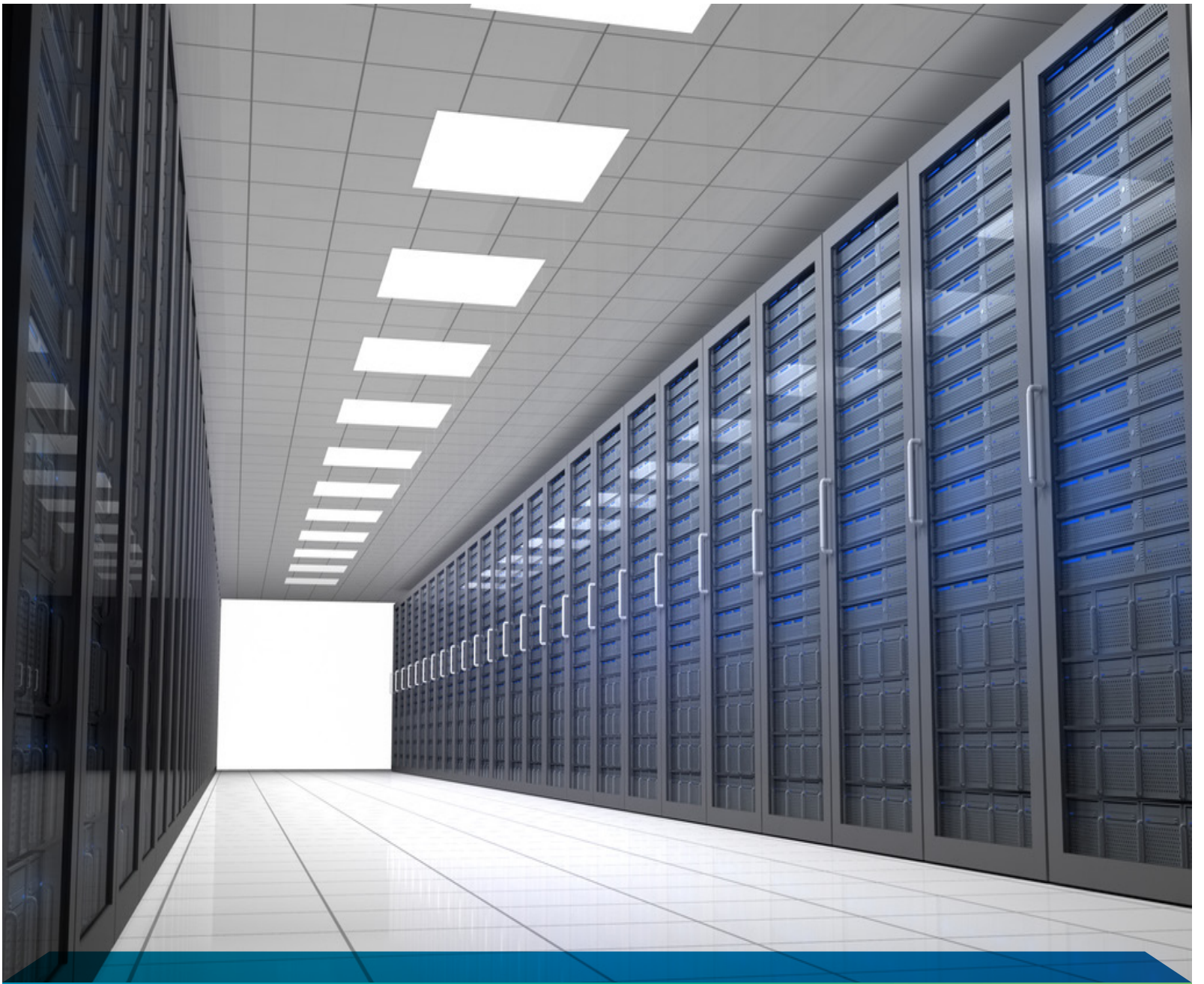
Huawei Data Center NetHos Cabinet

Features

NetHos-M Cabinet Features

Huawei's NetHos-M series of cabinets offer data centers with fundamental physical support to house relevant devices. These cabinets feature high reliability, safety, compatibility and availability. They have been widely applied in various data centers.

01 Features

High reliability: Eco-friendly material, stable structure

- Nonmetallic parts have passed strict RoHS tests
- Complies with IEC60297-2 standard to ensure safe and reliable performance
- The structure withstands static loads as high as 1,800 kg
- The cabinet adopts high-tensile-strength class A carbon cold rolled steel sheet and zinc-coated steel sheet to ensure mechanical strength and corrosion resistance
- Both front and rear doors allow high ventilation rates for good heat dissipation

High safety: Cabinet-level access control

- Optional electronic lock or mechanical code lock secure cabinet access, while supporting mechanical emergency unlocking
- Cabinets support remote management of door access control status

High compatibility: Easy installation

- Compatible with 19-inch rack-mount equipments of mainstream manufacturers
- Cabinets can be combined using accessories without disconnecting the doors
- Allows installation directly on an ESD floor, bracket, or concrete floor, simplifying engineering

High availability: Various cabinet accessories

- Cabinets can provide a variety of power supply distribution units
- Cable management and hardware installation accessories facilitate installation and operation
- A variety of air ventilation components ensure smooth hot and cold air flows

02 Specifications

| Item	Technical Parameters				
Model	NetHos-M 42612	NetHos-M 47612	NetHos-M 42611	NetHos-M 42812	NetHos-M 47812
Rack Width (mm)	600	600	600	800	800
Rack Depth (mm)	1,200	1,200	1,100	1,200	1,200
Rack Height (mm)	2,000	2,200	2,000	2,000	2,200
Rack Space	42U	47U	42U	42U	47U
Maximum Depth for Equipment (mm)	850	850	750	850	850
Air Ventilation	Air enters the front door and exits the rear door with a 70% door ventilation rate				
Door	Front single door and rear double doors with a 120° opening angle				
Surface	Black surface with indoor powder-coat, meeting requirements for Class A environments				
Material	High-tensile-strength class A carbon cold rolled steel plate and zinc-coated steel plate				
Protection Level	IP20				
Environmental Protection Compliance	RoHS				
Installation	Installed directly on an ESD floor, bracket, or concrete floor				

Accessories

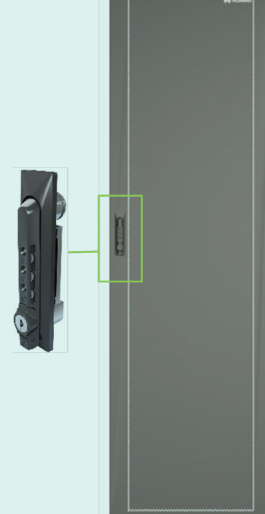## 01 Door Accessories

Front Door

The front door is a mesh door. Air enters the cabinet through this door and flows out the rear door of the cabinet with a 70% ventilation rate. The front door has three kinds of door access. The keyed lock is the stardard configuration. The electronic access control and mechanical code lock are optional configurations.
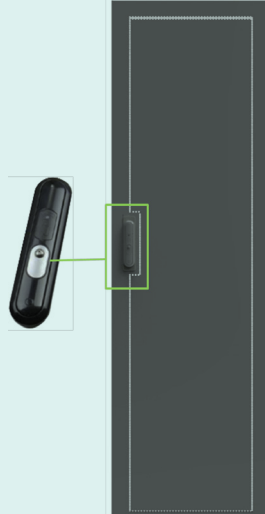
Keyed lock door   Electronic access control door   Mechanical code lock door

Model	Door Dimensions (H × W × D/mm)	Cabinet Dimensions (H × W/mm)
Keyed Lock Door Electronic Access Control Door Mechanical Code Lock Door	1,927 × 594 × 22	2,000×600
	1,927 × 794 × 22	2,000×800
	2,177 × 594 × 22	2,200×600
	2,177 × 794 × 22	2,200×800

Door Status Sensor

The door status sensor generates an alarm when the cabinet door is opened abnormally. The sensor can be installed on the front or rear door of the cabinet to meet your requirements.
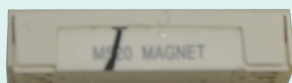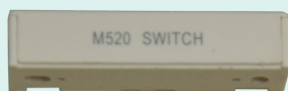
Rated Current (mA)	Rated Power (W)	Mounting Type	Switch Status	Housing Material
500	10	Screw	Normally open	White Acrylonitrile Butadiene Styrene (ABS) engineering plastic

02 Power Supply Accessories

PDU

NetHos-M cabinets can include various models of PDU2000 power distribution units that are delivered along with the cabinet. The PDU offers a diverse range of options that are configured based on your requirements.

C13　　　C19

| Basic type (half height) | Basic type (full height) | Monitoring type (full height) | IEC output socket |

Model #	Input voltage	Input current	Output capacity	Output socket	Installation mode
PDU2000-32-1PH-Full height	220V/single-phase	32A	7.3kVA	IEC: 20*C13+2*C19	Vertical installation
PDU2000-32-1PH-Half height	220V/single-phase	32A	7.3kVA	IEC: 9*C13+3*C19	Vertical installation
PDU2000-32-3PH-Full height	380V/three-phase	32A	21kVA	IEC: 12*C13+9*C19	Vertical installation

For more PDUs, please contact the local sales manager.

Copper Ground Bar

This copper bar is used for grounding devices inside the cabinet and is configured based on your requirements.

The bar provides M6 and M8 terminals. M6 terminals are used for device grounding, and M8 terminals for leading out grounding cables. Insulators isolate the copper bar from the cabinet to ensure grounding reliability.
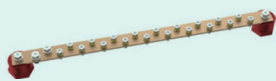
| Model	Dimensions (H × W × D/mm)	Number of Terminals	Installation
Horizontal Copper Ground Bar	30 × 490 × 3	19 × M6 + 2 × M8	Horizontally installed on a rack rail
Vertical Copper Ground Bar	1,600 × 20 × 3	15 × M6 + 2 × M8	Vertically installed beside a rack rail

Accessories

## 03 Air Flow Management Accessories

Blank Panel

For any unoccupied spaces in the cabinet, installing blank panels seals the space and enhances the appearance of the cabinet. Simply and manually insert the panels into the cabinet, no tools required.

1U

2U
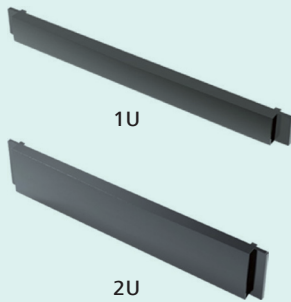
| Panel Model	Dimensions (H × W × D/mm)
1U	44× 482.6 × 25
2U	88.5× 482.6 × 25

Side Panel

Side panels seal the cabinet sides to prevent dust from getting in and ensure correct air flow through the cabinet.
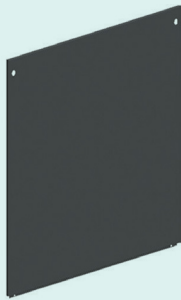
Cabinet Dimensions (H × D/mm)	Panel Dimensions (H × W/mm)
2,000 × 1,200	800 × 1,110
2,000 × 1,100	800 × 1,010
2,200 × 1,200	920 × 1,110

"L" Airtight Bar

Installing these bars on the front and rear of a cabinet seals the bottom space.
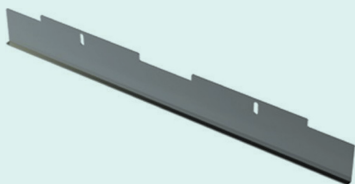
Cabinet Width (mm)	Bar Dimensions (H × W × D/mm)
600	82 × 598.5 × 11
800	82 × 798.5 × 11

04 Air Flow Management Accessories

Bottom Plate

NO.1 Front Air Supply Bottom Plate

This plate is applied in front air supply scenarios. It ensures a seal between the front rack rails and the front of the cabinet for air flow isolation.
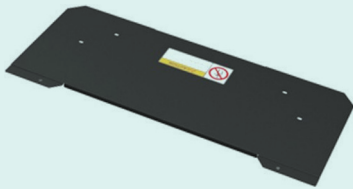
Cabinet Width (mm)	Plate Dimensions (W × D/mm)
600	567 × 235
800	770 × 235

NO.2 Fully Sealed Bottom Plate

This plate has a removable structure and is applied in front air supply and fully sealed scenarios.

Cabinet Width (mm)	Plate Dimensions (W × D/mm)
600	561 × 1,080
800	761 × 1,080

Cabinet Bracket

Available in fixed and adjustable models, the bracket elevates and supports the cabinet. The adjustable model has a minimum adjustment precision of 1mm.

Fixed Bracket
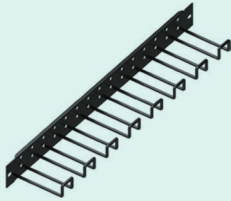
Bracket Model	Cabinet Width (mm)	Cabinet Depth (mm)	Bracket Height (mm)
Adjustable Bracket	300 / 600 / 800	1000 / 1100 / 1200	410 - 700
		1000 / 1100 / 1200	270 - 410
Fixed Bracket		1200	250

Accessories

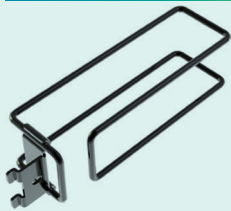## 05 Cable Management Accessories

Horizontal Cable Rack

This rack provides horizontal cable management and is usually installed in the front of the cabinet.

Rack Dimensions (H × W × D/mm)	Amount of Cables	Occupied Space
43.6 × 482.6 × 91	48 × 6 mm² cable	1U

Cable Ring

This ring provides vertical cable management and is installed on the cabinet column.

Ring Model	Ring Dimensions (H × W × D/mm)
Standard-size Cable Ring	55 × 48 × 188.6
Small Cable Ring	55 × 48 × 44

Front-to-Back Cable Manager

This rack provides horizontal front-to-back cable management and is usually installed in the network cabinet. Its flexible design allows easy depth adjustment.

Rack Dimensions (H × W/mm)	Depth (mm)
50 × 36	442.5 - 742.5

Cable Tray

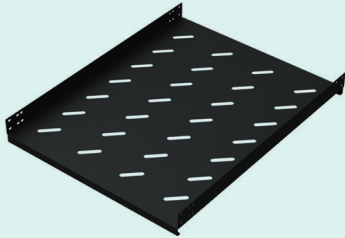This tray provides front-to-back cable management. With mounting ears, it has a simple installation.
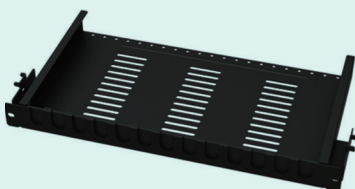
Tray Dimensions (H × W × D/mm)	Occupied Space
43.6 × 482.6 × 250	1U

06 Hardware Installation Accessories
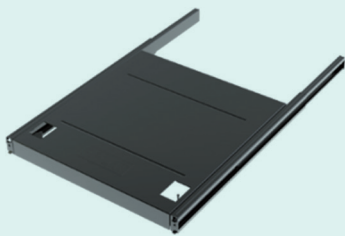
Tray

NO.1 Fixed Tray

This tray supports the installation and placement of standard 19-inch rack-mount devices.

Item	Tray Dimensions (H × W × D/mm)	Load Capacity (kg)	Occupied Space
Standard Fixed Tray	62 × 484 × 627	100	1U
Short Fixed Tray	62 × 484 × 527	100	1U

NO.2 Adjustable Tray

This tray supports device installation and placement and has an adjustable depth.

Tray Dimensions (H × W/mm)	Load Capacity (kg)	Depth (mm)	Occupied Space
43.6×481	100	570 - 870	1U

"L" Guide Rail

This standard rail is used for mounting and guiding devices. The rails are installed on both sides of the cabinet.
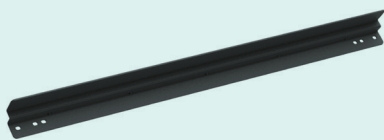
Item	Dimensions (H × W × D/mm)	Load Capacity (kg)
Standard guide rail	36 × 50 × 635	50
Short guide rail	36 × 50 × 535	50

Global Applications

Huawei data center NetHos cabinets have been successfully applied in China Unicom Gui'an IDC, Myanmar Telenor, London Underground, Mexico PEMEX, etc.

Germany/noris network

Netherlands/BIT

britain/Flexiscale

britain/London Underground

britain/Bournemouth University

Italy/TI

Spain /Adif

Portugal/Benfica Stadium

Turkey/EUAS

Iraq/Video Surveillance Data Center

Egypt/Vodafone

Bahrain/viva

UAE/ADNOC

Nigeria/MTN

Ghana/E-Gov

Togo/Lome university

Cameroon/MTN

Mexico/PEMEX

Guatemala/ONYX

Venezuela/CANTV

Brazil/Mackenzie university

Brazil/Petrobras

Chile/Codelco

Chile/Observatory DC

Tanzania/Tanzania China Global Mining

mauritius/Mauritius Telecom

By the end of 2016,

HUAWEI NetHos cabinets have been deployed in **830** data centers and **420** cloud data centers across the world.

Russia/ Akado IDC

Russia/Moscow Circus IDC

Russia/FSK

Uzbekistan/ Uztelecom

Pakistan/ Bank Alfalah

Romania/2K

Saudi Arabia/Saudi Aramco

India/NxtFen

Maldives/smart government IDC

Nepal/Ncell

Inner Mongolia Public Security Department

China Unicom Gui'an IDC

Beijing E-government cloud

CCB Beijing branch

Tencent Tianjin IDC

China Mobile

Wuhu E-government cloud

China Telecom Shanghai IDC

Hongkong Metro

Myanmar/Telenor

Malaysia/DANAWA

Singapore/singtel

Singapore/CAAS

Indonesia/Sinar Mas Group

Australia/Empired