



2021 - 2022

Racks Technology Catalogue









Network & Server Cabinets



Leads Communication • • •



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Lenora Innovation Ltd. is a European telecommunication company dedicated to providing leading-edge, high-performance telecommunication products and services to business and enterprise customers.

Lenora specializes in manufacturing and marketing of Fiber FTTx, Air blown Total solution, Structure Cabling Systems & related connectivity products that are highly durable and offer superior performance, Lenora has evolved into a world-class provider of a complete line of products to a broad customer base.

By expanding our capabilities and product offerings, we have strategically positioned Lenora to support our customers' needs for increasingly sophisticated communications infrastructure and end-to-end cabling and connectivity solutions, by helping to implement the project from the very first step of network designing to the installation phase, providing all the necessary technical training, service and maintenance. Lenora Structure Cabling Systems Total Solution using our products range will guarantee the best performance even in the most severe solutions, and it will significantly reduce CaPEX and OpEX in comparison with copper and fiber optic deployment techniques. Lenora's success in the battlefield provided a foundation for the creation of a broad copper and fiber optic cable range, built on the evolution of new technologies, as well as opportunities to expand our product offerings beyond network solutions. When you partner with Lenora, We bring you the most advanced products and solutions available. We own the knowledge and experience; we guarantee the results.



Innovation

Lenora brings efficient and innovative solutions customized to specific needs of its customers. It has developed and certified several products as the first in the world, thus contributing to the expansion of affordable and advanced solutions.



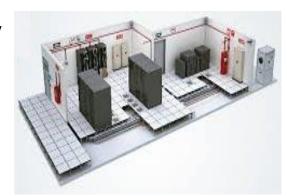
Quality control

The quality of products is tested at every stage of the production cycle and is ensured by strict monitoring, Lenora Quality is designed to support a company culture based on continuous improvement, challenging objectives, effective control and corrective action.



Data Center Design & Engineering

The optical network construction based on fiber optic connectivity system is a proved, flexible and cost-effective solution, but some of the design concept is relatively new compared to the conventional connectivity solutions. With our accumulated knowledge from manufacturing, design and installation for more than 10 years, Lenora provides consulting services including network design by experienced engineers.



Data Center Deployment & Installation

The structure cabling system works for deploying fiber optic networks and fiber cable generally require elaborated job scheduling and experience in order to guarantee a long-term stable operation and to avoid unexpected cost expenses. For several years, Lenora has successfully carried out fiber optic projects ranging from inbuilding, FTTH, intra-city to long distance in many countries. With this knowledge of skilled engineers and quality products of Lightwave, Lenora provides fiber optic total solution to our customers.



Specialized Training

Lenora experts are trained in the structure cabling systems and various connectivity techniques. We have, the facility available to other customers and partners who require training on structure cabling and connectivity solution. We have the ability to support network design, deliver knowledge about this advanced technology, providing structure cabling Network Management System as well as presenting consulting services. We have, also provide a fully integrated demonstration of structure cabling total solution where our clients can learn directly.





Server Rack, which is used to install the 19" standard equipment like server, monitor, UPS, and non-19" standard equipment, having high requirements to its depth, height, loading capacity etc. In general, width is 600mm, 800mm and 1000mm, depth is 800mm and 1000mm. Due to big heat dissipation of internal equipment, front and rear doors are with ventilation holes. It is composed of framework and cover plate (door), placing on the ground. It provides adaptable environment and protection to make electronic equipment work normally. This product has good rigidity, strength and good performance of electromagnetic isolation, grounding, noise isolation, ventilation and cooling. Furthermore, it also has anti-vibration, shockproof, anticorrosion, dustproof, waterproof, antiradiation and other properties in order to ensure equipment work stably and reliably.











• 19" mounting angle with sacle enables users to precisely locate profile.



■ 19" zinc coated profile with scale.



Multi-function cable manger is



Safty Warning label.



Cable Entrence in the bottom is aiustable.



Cable manager with cover is available for 800mm width cabinet.







Application

Standard racks 27U, 32U, 38U, 42U & 47U, mainly used in computer room of finance, securities, data centers, specifically designed for servers, providing a good-performance and stable working environment for equipment inside. It has been widely adapted by professional server vendors.

The server cabinet series possesses an elegant design which reflects the rock's ability to manage servers and accessories.

Main Material

All is made of high-quality SPCC Cold Rolled Steel **Thickness:**

frame: 1.5mm

Square-hole post: 1.5-2.0mm

Side door: 1.0mm Shelf board: 1.2mm

Color: RAL 9004 (black) or RAL7035 (grey)



Feature

Surface finish:

The rack includes a powder coating surface finish which ensures it remains grease and corrosion free. The surface finish complies with relevant ROHS requirements.

Ventilation:

The server rack includes a perforated and curved Front door, which can be easily removed when required. The rear door of the rack is double opening, while both side doors split in to 2 parts.

Options:

Fan tray: standard 4 fans and optional 6 fans. Vertical Cable Manager: for cabinet width 800mm and 1000mm.

Cabling:

The rack possesses several adjustable cable routings channels within the top and bottom of the rack. In addition, both sides of the rear panel are fitted with cable management routing holes at the bottom.

Structure:

The rack can be fitted with castor wheels and Supporting feet if required. The maximum static holding of the rack is 1000kgs or 1300kgs.

Standard:

Comply with ANSI/EIA RS-310-D, IEC60297-2, DIN41494 PART 1 and DIN41494 PART 7 IP rating: IP30 or IP42

^{*} Rack's size (width*depth) can be customized according to customer's requirements.





Product Standard Configuration

S/N	Specification	Qty	Material	Surface Finish	Remark
1	Rear door	1			See front & rear door type
2	Side panel	4	SPCC t1.0	Powder coated	
3	19" rails	4	T2.0	Zinc plated	
4	Front beam	2	SPCC t1.5	Powder coated	
5	Top cover	1	SPCC t1.2	Powder coated	
6	Side frame	2	SPCC t1.2	Powder coated	
7	Cable management slot	2	SPCC t1.0	Powder coated	Only used for 800 width cabinet
8	Front door	1			See front & rear door type
9	Mounting spacer	4	T2.0	Powder coated	Only used for 800 width cabinet
10	Bottom	1	SPCC t1.0	Powder coated	
11	Caster tray	2	SPCC t2.0	Powder coated	
12	2" heavy duty castor	4			
Α	M12 adjustable feet	4	Steel	Zinc plated	
В	M6 screw& nuts	20/40	Steel	Zinc plated	40pcs for over 33U

Front and Rear Door









Structure Diagram

Front & Rear Door

- Tempered glass door with striped hole
- Small lock/Long-handled
 lock
- Reversible right- or left-handed doors
- Turning angle is over
- 180 degrees
- Material: Sheet steel and 4MM safety glass
- Surface Finish: Powder coated

Front & Rear Door

- High-density vented door, slotted surface
- Small lock/Long-handled lock
- Reversible right- or left-han doors
- Turning angle is over
- 180 degrees
- Material: Sheet steel
- Surface Finish: Powder coated

Front & Rear Door

- High-density vented double opened damper
- Small lock/Long-handled lock
- Reversible right- or left-han doors
- Turning angle is over
- 180 degrees
- Material: Sheet steel
- Surface Finish: Powder coated



Optional Accessories



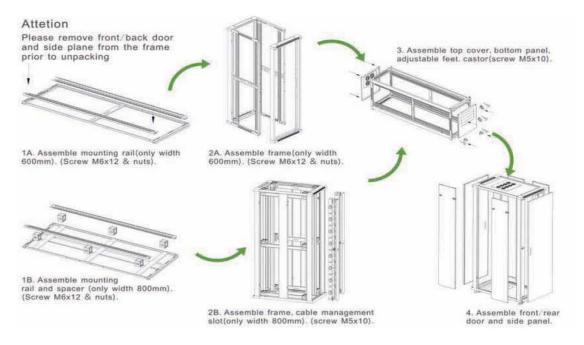




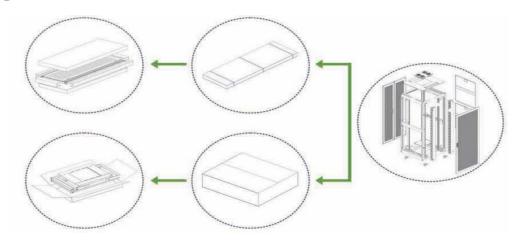




Assembling Diagram



Packing Diagram





Leads Communication

Network cabinet, mainly used in cabling project, and storing networking equipment and accessories such as routers, switches, displays, patch panels. The width is 600mm, 800mm and 1000mm, depth is 600mm, 800mm and 1000mm, with tempered glass or vented front door, not strict with heat dissipation and environment. This product has good usability and safety protection facilities, easily operated, installed, and maintained, and operator's safety can be guaranteed. In addition, network cabinet meets the requirements of standardization, normalization and serration, easily produced, assembled, debugged, packed and shipped. It is designed exquisite, applicable, and color coordination.





19" mounting angle with sacle enables users to precisely locate profile.



■ 19" zinc coated profile with scale.



Multi-function cable manger is available in the rear.



Safty Warning label.



Cable Entrence in the bottom is



 Cable manager with cover is available for 800mm width cabinet.







Application

The network cabinet is available between 22U and 42U as standard. The cabinet has been designed for cabling projects and storage of networking equipment. The cabinet comes in a standard 600mm or 800mm or 1000mm width and depth, with variable height options.

The cabinet provides a protective working environment for the equipment it holds and has been widely adopted by professional network vendors.

The network cabinet series possesses an elegant design which reflects the rock's ability to manage network and accessories.

Main Material

All is made of high-quality SPCC Cold Rolled Steel **Thickness:**

frame: 1.5mm

Square-hole post: 1.5-2.0mm

Side door: 1.0mm Shelf board: 1.2mm

Tempered glass: 4.0mm or vented door **Color**: RAL 9004 (black) or RAL7035 (grey)

Feature

Surface finish:

The rack includes a powder coating surface finish which ensures it remains grease and corrosion free. The surface finish complies with relevant ROHS requirements.

Ventilation:

The Network rack includes a perforated and curved Front door, which can be easily removed when required. The rear door of the rack is double opening, while both side doors split in to 2 parts.

Options:

Fan tray: standard 4 fans and optional 6 fans. Vertical Cable Manager: for cabinet width 800mm and 1000mm.

Cabling:

The rack possesses several adjustable cable routings channels within the top and bottom of the rack. In addition, both sides of the rear panel are fitted with cable management routing holes at the bottom.

Structure:

The rack can be fitted with castor wheels and Supporting feet if required. The maximum static holding of the rack is 800kgs or 1000kgs.

Standard:

Comply with ANSI/EIA RS-310-D, IEC60297-2, DIN41494 PART 1 and DIN41494 PART 7 IP rating: IP30 or IP42

^{*} Rack's size (width*depth) can be customized according to customer's requirements.





Product Standard Configuration

S/N	Specification	Qty	Material	Surface Finish	Remark
1	Rear door	1			See front & rear door type
2	Side panel	2	SPCC t1.0	Powder coated	Small round lock
3	19" rails	4	SPCC t2.0	Zinc plated	
4	Mounting angle	4/6	SPCC t1.5	Powder coated	6pcs for over 33U
5	Top cover	1	SPCC t1.2	Powder coated	
6	Side frame	2	SPCC t1.2	Powder coated	
7	Cable management slot	2	SPCC t1.0	Powder coated	Only used for 800 width cabinet
8	Front door	1			See front & rear door type
9	Mounting spacer	8/12	SPCC t2.0	Powder coated	Only used for 800 width cabinet
10	Bottom	1	SPCC t1.0	Powder coated	
11	Cable entry panel	4	SPCC t1.2	Powder coated	
12	2" heavy duty castor	4			
Α	M12 adjustable feet	4	Steel	Zinc plated	Hight: 100MM
В	M6 screw& nuts	20/40	Steel	Zinc plated	40pcs for over 33U
С	Trox Tooling	1	Steel	Zinc plated	

Front and Rear Door



Front & Rear Door

- Tempered glass door with striped hole
- Small lock/Long-handled
- Reversible right- or left-handed doors
- Turning angle is over
- 180 degrees
- Material: Sheet steel and 4MM safety glass
- Surface Finish: Powder coated





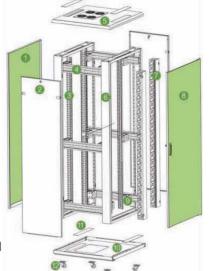




Front & Rear Door

- High-density vented door, slotted surface
- Small lock/Long-handled
- Reversible right- or left-han doors
- Turning angle is over
- 180 degrees
- Material: Sheet steel
- Surface Finish: Powder coated

Structure Diagram



Front & Rear Door

- High-density vented double opened damper
- Small lock/Long-handled
- Reversible right- or left-han doors
- Turning angle is over
- 180 degrees
- Material: Sheet steel
- Surface Finish: Powder coated



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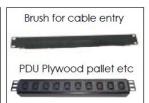
Optional Accessories



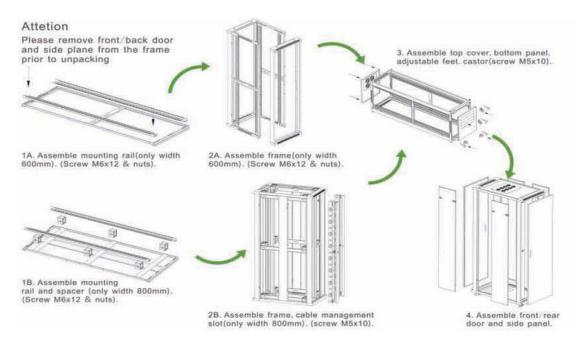




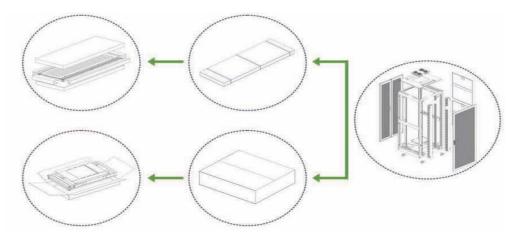




Assembling Diagram



Packing Diagram







Wall Cabinet, which can be fastened directly to the wall through different installation methods. It is widely used in the construction of intelligent community, wiring room with small space, corridor, and such communication or networking environment with small quantity of installation equipment. Due to features such as small size, easy installation and removal, easy management and security, wall cabinet are widely used to provide adaptable environment and safety for electronic equipment working. The wall mounted cabinet easily produced, assembled, debugged, packed and shipped.













Application



Wall mounted cabinet standard is between 4U-22U, width and depth are both 450mm or 600mm and width is 600mm. Wall cabinet is widely applied in small network system, computer network system, university education equipment, radio system and communication system etc., suitable for precision computer and electronics instrument etc.

The wall cabinet series possesses an elegant design which reflects the rock's ability to manage network and accessories.

Main Material

All is made of high-quality SPCC Cold Rolled Steel **Thickness:**

frame: 1.2mm

Square-hole post: 1.0mm

Side door: 1.0mm Shelf board: 1.0mm

Tempered glass: 4.0mm or vented door **Color**: RAL 9004 (black) or RAL7035 (grey)

Feature

Surface finish:

The rack includes a powder coating surface finish which ensures it remains grease and corrosion free. The surface finish complies with relevant ROHS requirements.

Appearance:

Removable left and right side and front door, front door come with tempered glass or vented. Elegant design, exquisite craftsmanship, precision size, make your project looks nice.

Standard:

Comply with ANSI/EIA RS-310-D, IEC60297-2, DIN41494 PART 1 and DIN41494 PART 7 IP rating: IP30 or IP42



Cabling:

The rack possesses several adjustable cable routings channels within the top and bottom of the rack.

Stable and durable:

Frame is totally completed of high-performance welding, with good stiffness and strength, the maximum loading is 60kgs. Anti-vibration, shockproof, anti-corrosion, dustproof, waterproof, anti-radiation protection and other properties in order ensure equipment work stably and reliably.

Ventilation:

The server rack includes a perforated and curved Front door, which can be easily removed when required.

^{*} Rack's size (width*depth) can be customized according to customer's requirements.





Product Standard Configuration

S/N	Specification	Qty	Material	Surface Finish	Remark
1	Front door	1	SPCC t1.2	Powder coated	See front door type
2	Side panel	2	SPCC t1.0	Powder coated	
3	Frame	1	SPCC t1.2	Powder coated	
4	Mounting profile	1	SPCC t1.2	Powder coated	
5	Back panel	1	SPCC t1.0	Powder coated	
6	19 " rails	4	SPCC t1.2	Powder coated	
Α	M6 screw & nuts	10/20	Steel	Zinc plated	20pcs for over 15U
В	Trox Tooling	1	Steel	Zinc plated	

Front and Rear Door



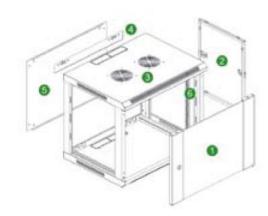
Front Door

- Tempered glass door with striped hole
- Small lock/Long-handled lock
- Reversible right- or left-handed doors
- Turning angle is over
- 180 degrees
- Material: Sheet steel and 4MM safety glass
- Surface Finish: Powder coated

Front Door

- High-density vented door, slotted surface
- Small lock/Long-handled lock
- Reversible right- or left-han doors
- Turning angle is over
- 180 degrees
- Material: Sheet steel
- Surface Finish: Powder coated

Structure Diagram





Fitting Accessories



Threading hole with brush



Circular threading hole (ϕ 50MM)



Cantilever shelf



Cable management



Cooling fan



Blanking panel



Cantilever shelf



cable management

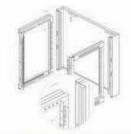
Assembling Diagram



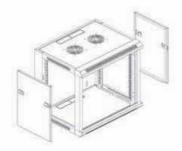
Fix 19" mounting rails to the first holes of top & bottom of side frames by 4sets of M5*10 screws.



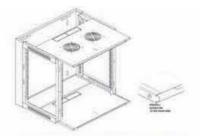
Install front frame by 4pcs of M6*12 screws(6pcs of M6*12 screws if more than 18U).



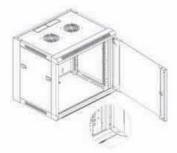
Install side frames to the grooves of back frame by 4pcs of M6*12 screws.



Install side panels.



Install top and bottom as shown by the arrow in the picture.

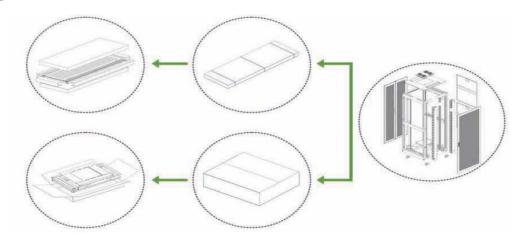


Install front door.





Packing Diagram







Open rack, is made for these needs, specifically flexible installation, enhancing network management and optimizing network efficiency, improving reliability and protecting network infrastructure. How to accommodate more information points into limited space and manage, maintain and handle trouble easily, however a set of flexible, extended, high-density wiring system can be achieved. So, open rack is an equipment centralized manage the equipment not strict with dustproof. And open rack product is compatible with all types of data center products in same field, provide a one-stop service for network infrastructure components and customer's needs.









Cantilever shelf



Cable management

Application

Open rack is widely used in integrated project of computer network, intelligent building cabling, telecommunication, paging, radio and audio project, finance, intelligence community, computer room, school, network control room, power and traffic monitoring center, community intelligent monitoring center, production line test of factory, internet bar etc.; especially suitable for network project, cabling project, communication systems and other computer center broadcasting system.





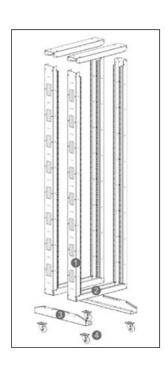
4 Posts Wheels Type Open Rack

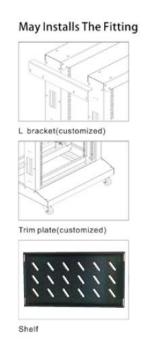
Feature

Strict degreasing, pickling, rust, phosphating, cleaning with pure water, and then powder coating and conform to the ROHS requirement. Single junction open structure, easy to assemble and disassemble, low cost, accessories can be optional.

Airflow unimpeded, able to access the equipment installed quickly and easily. Standard design, firm structure, the maximum static loading is 250kgs.







S/N	Specification	Qty	Material	Surface Finish	Remark
1	Column	4	SPCC t1.5	Powder coated	
2	Plinth	4	SPCC t1.5	Powder coated	
3	Support Cross beam	2	SPCC t2.0	Powder coated	
4	2 " heavy duty castor	4			
Α	M6 screw & nuts	20/40	Steel	Zinc plated	40pcs for over 33U
В	Trox Tooling	1	Steel	Black	

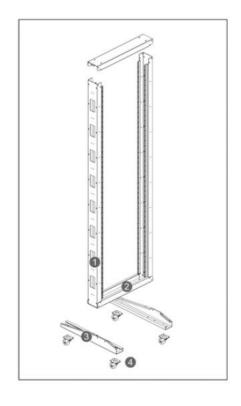


2 posts open rack with castor

Feature

Modular design, easily assemble and disassemble for delivery, low-cost. Various optional accessories according to requirements (cable management slot, removable working panel, etc.). The maximum static loading is 200kgs.







Double sided shelf



Cantilever shelf



Cable management

S/N	Specification	Qty	Material	Surface Finish	Remark
1	Column	2	SPCC t1.5	Powder coated	
2	Plinth	2	SPCC t2.0	Powder coated	
3	Support Cross beam	2	SPCC t2.0	Powder coated	
4	2 " heavy duty castor	4			
Α	M6 screw & nuts	20/40	Steel	Zinc plated	40pcs for over 33U
В	Trox Tooling	1	Steel	Black	





2 posts open rack

Feature

Modular design, easily assemble and disassemble for delivery, low-cost. Various optional accessories according to requirements (cable management slot, removable working panel, etc.). The maximum static loading is 2000kgs.







S/N	Specification	Qty	Material	Surface Finish	Remark
1	Mounting post	2	SPCC t1.5	Powder coated	
2	Plinth	2	SPCC t2.0	Powder coated	
3	Support Cross beam	2	SPCC t2.0	Powder coated	
4	2 " heavy duty castor				
Α	M6 screw & nuts	20/40	Steel	Zinc plated	40pcs for over 33U
В	Trox Tooling	1	Steel	Black	



Main Material

All is made of high-quality SPCC Cold Rolled Steel

Thickness:

Plinth and Support Cross beam: 1.5mm and 2.0mm

Square-hole post: 1.5-2.0mm Others:1.2mm and 1.5mm

Color: RAL 9004 (black) or RAL7035 (grey)

* Rack's size (width*depth) can be customized according to customer's requirements.

Feature

Surface finish:

The rack includes a powder coating surface finish which ensures it remains grease and corrosion free. The surface finish complies with relevant ROHS requirements.

Structure:

The rack can be fitted with castor wheels and Supporting feet if required. The maximum static holding of the rack is 200kgs or 250kgs.

Cabling:

The rack possesses several adjustable cable routings channels within the top and bottom of the rack.

Standard:

Comply with ANSI/EIA RS-310-D, IEC60297-2, DIN41494 PART 1 and DIN41494 PART 7 IP rating: IP20 or IP30



Outdoor Cabinets



The Outdoor Cabinets offers wide-ranging universal cabinets for outdoor network support. These cabinets offer an extended level of access to equipment, with front, rear and lockable doors. It is a perfect structure, and extremely easy for assembling. Outdoor optical cabinet is mainly used for cross-connecting outdoor optical cables from data center to optical distribution node. This cabinet offers ideal environment for fibers to be spliced, cable termination, fiber distribution, dispatch and well organized under outdoor environment. Outdoor optical cabinet provides safe, reliable and flexible optical fiber/cable circuit management, suitable for various communication networks, especially for users' optical fiber access network engineering. Outdoor Ground Standing Cabinets are designed to protect your sensitive network equipment from harsh environments. We have included features to safeguard it from the elements, while still keeping the equipment secure and well ventilated.











Outdoor Cabinets



Application

Series outdoor cabinets is designed for a variety of applications and can be tailored to fit your sacrifice need, this cost-effective solution has a unique cube design that give flexibility to easy have various heights of cabinets. Optimized size cabinets are suitable for large Networks, we offer cabinets with enough room to access equipment through the front door and the rear door. Outdoor Ground Standing Cabinets are designed to protect your sensitive network equipment from harsh environments. In our product portfolio, you will also find racks that can be equipped with single or double door and vented which makes them a very aesthetic solution for networks.

Feature

- Ground Stand cabinet is for outdoor networking applications in FTTH environment.
- Most popular model in the market.
- Exquisite design with precise dimension and craftsmanship
- Welded frame, reliable structure
- SPCC Cold Rolled Steel or Stainless Steel or SMC material
- Thickness Mounting Profile is 1.5mm; side panel 1.5mm, others:1.5mm.
- Reliable and rigid construction ensure up to 800Kg static loading capacity.
- Includes 200mm high plinth
- Easy Cable Entry: Cable entry from bottom panel.
- Positions of mounting rails could be adjusted quickly.

- Standard: 19"
- Height: 22U or 28U
- Size: (800x600), (800x800) and (1000X800) mm
- Load rating: Standard 500 kg
- Material: SPCC Cold Rolled Steel, 19" Profile: 1.5mm, others: 1.5mm
- Front Doors: Metal front door, single or double
- Rear Doors: Metal front door, single or double
- IP rating: IP65
- Environment Temperature[°C]: -40 to +60
- Comply with: ANSI/EIA RS-310-D, IEC60297-2, DIN41494 PART 1 and 7, ETSI standard
- Color: RAL7035 (grey)





Introduction

The Digital Temperature Unit is a digital thermostat is used for controlling heating and cooling equipment, filter fans or signal devices.

The thermostat registers the surrounding air and can switch both inductive and resistive loads via snap-action contact.

Electronic thermostat, thermostat control and thermostat system are desired switching thermostat, heating elements and heating cooling devices such as the temperature setting on the scale equals to the upper switch point, which means that the Normally Closed contact opens.

The temperature setting minus switch temperature difference (and tolerances) equals to the lower switch point, which means that the Normally Closed contact closes.

Application

The Digital Temperature Unit is designed for applications that requires high volume cooling inside Server or Network Cabinets snap-action contact, the built-in sensor alarm snap feature will allow the user to control the maximum temperature inside cabinet, it also has a built-in sensor fault alarm snap it mounts to any standard 19" installation cabinet to provide a maximum airflow in your mission critical network.



Feature

- The Digital Temperature Unit is for cabinet temperature control applications.
- Most popular model in the market.
- Exquisite design with precise dimension and craftsmanship
- Contact type is change-over snap-action contact.
- Standard 19" installation
- Simple structure, easy installation.
- Easy cabling & operation.
- Disturbing resistance, reliable running.
- 2-way output (IEC320 C13 and NEMA 5-15R).





Technical Parameter:

- Power supply: 220VAC+10%/-15%,50/60Hz.
- Temperature measuring range: -50°C~99°C.
- Resolution: 1°C.
- Refrigeration output contact capacity: 10A/227VAC.
- Sensor error delay time: 1min.
- Safe level: IP65.
- Operation humidity: 20~85% (no condensate).
- Power consumption: ≤3W.
- Temperature controlling range: -40°C~50°C.
- Accuracy: -50°C~70°C, ±1°C, ±1°C, at others can
- drive single phase compressor ≤1/2HP.
- Sensor: NTC.
- Operation Temperature: -30°C~75°C.
- Color: Black

Key Operation

- Check parameter set value:
 - Press ▲ and then loosen to display the set upper limit.
 - Press ▼ and then loosen to display the lower limit.

Modify Parameter set value

- Press set for more than 3s to enter into parameter modifying status, the last display the last adjusted menu after electrified with parameter modifying indicator light on.
- Press ▲ or ▼ to go forward or backward the menu item;
 Press set to display the current.

Parameter set value

- Press set and or simultaneously can adjust the current parameter set value; press set and ■ simultaneously more than 1s will increase current parameter set value quickly; press set and ■ simultaneously more than 1s will decrease current parameter set value quickly;
- Press rst or no key operation in 30s will save the modified parameter and return to normal temperature display status.





Restore the parameter setting

- When electrify the controller, first check the parameter setting, if parameter setting is wrong, LED display E1 with buzzer sound, at this time press Set will restore default parameter setting.
- Advise to reset the parameter

Key-press function

Key-press	Normal mode Parameter modification mode	
SET	Check compressor protection time	Display current menu set value
SET3seconds	Enter into parameter modification	
Rst	Check temperature exceeding value	Quit from parameter modification
A	Temperature upper limits checking	Menu items go backwards
▼ Temperature lower limits checking		Menu items go forwards
SET+▲		Parameter Values increase by degrees
SET+▼		Parameter Values decrease by degrees

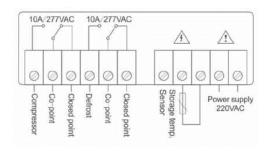
Control Output

- **Compressor**: When the storage temp. is higher than set temp. Upper limit, compressor starts, lower than set temp. Lower limit, compressor stops, when sensor error, compressor works proportionably as on -15 minutes off-30 minutes. After electrified or compressor stops. Compressor restart-up is allowed after running out of compressor protection time.
- blinkingly displays current temperature when storage temperature is higher than set temperature upper limit + exceeding temp value or lower than set lower limit-exceeding temp. value. When running out of the exceeding temp. limit alarm delay after electrified. exceeding temp. limit alarm starts with buzzer sound, and alarm cancel when temperature return to normal temperature LED blinkingly display E1 with buzzer sound when memorizer error; display E2 with buzzer sound when sensor error; display HH when temp. higher than 99°C and lower than 120°C. Press any key to cancel alarm sound, but alarm status remains.

Indicator light description

Indicator light	Status	Function
Cool	Always on	Compressor output
Cool	Flashes	Compressor output delay
Set	Always on	Parameter modification Status

Wire diagram







Safety regulations

- **Danger**: Strictly distinguish the sensor down-lead, power wire and output replay interface from one another, prohibit wrong connections or overloading the relay.
 - All connections should be modified under electricity cut-off.
- Warning: Prohibit to use the machine in water or under the environment of lower damp, high temperature, string electromagnetism interference or string corrosion.
- Caution: The power supply should conform to one labeled on the machine, and ensure the stability of the power voltage. Sensor down-lead and power should be kept for a proper Distance to avoid possible interferences

Error Code

Code	Reason	Status
E1	Memorizer error	Alarm, machine does not work
E2	Sensor error	Alarm Compressor starts/stop proportionably
нн	Exceeding temp. display limit	



Power Distribution Units



Introduction

Cabinet Power Distribution Unit PDUs are units that have main and individual circuit breakers and power-monitoring electrical panels. These are used when an organization needs to provide power for multiple racks with multiple high-current.

A power distribution unit (PDU) is a device fitted with multiple outputs designed to distribute electric power, especially to racks of computers and networking equipment located within a data center. PDUs are categorized as basic or intelligent, the basic PDUs is a power strip that distributes voltage and current to multiple outlets, while Intelligent PDUs provide power distribution and other features, such as power metering, monitoring, remote outlet switching, remote outlet control and notifications of potential issues.



Application

Power Distribution Unit PDUs distributes reliable network power to multiple devices. It does not generate or condition power, but delivers AC power from an uninterruptible power supply (UPS), a generator, or utility power source to servers, networking hardware, telecom equipment, and other devices.



Power Distribution Units



Feature

- 1U, horizontal 19" installation, or Vertical installation
- Using for networking and data center applications in IT environment.
- Most popular model in the market.
- Exquisite design with precise dimension and craftsmanship
- Aluminum-alloy welded frame, reliable structure
- Modular made from uninflammable PC and ABS
- leak-current protector
- Children safety protect
- Break protection, and fused
- Available in Basic outlets and Intelligent PDUs
- Support different types of country stander socket types.
- Range of loading capacity outlet from 2 to 12 sockets.

- Standard: 19"
- Standard: 1U, horizontal 19" installation, or Vertical installation
- Height: 1U or 1.5U
- Master switch
- Rated Voltage: Max 250V 50~60Hz
- Rated Current: Max 16A
- Rated load: 2500W
- Material: Aluminum shell+ PC or ABS model
- Input Plug: All types of plugs are available
- Output Socket: All types of stander sockets are available
- Number of sockets: 2 to 12 sockets
- IP rating: IP44
- Control Function Module: Master switch with overload protector
- Color: RAL 9004 (black)

Power Distribution Units



Power Distribution Unit Outlet Type Options



Power Distribution Unit Input Plug Options



Power Distribution Unit Switch Module Options



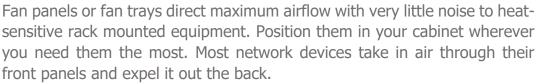


Introduction

We supply a vast range of different cabinet accessories to meet your networking requirements. The items available for purchase include cable management options, cooling unit solutions, console drawers, cabinet PDUs and digital temperature system. Ultimately, we have all the accessories you may need for your new passive and intelligent cabinet.

Cabinet Cooling Fans

Ventilation in your cabinets is critical for keeping vital equipment cool. An enclosure blower draws cool air from a raised floor at the bottom of the cabinet and delivers it right across the front of servers or other network components. It fits on standard 19" rails and uses only 1U of mounting space. This high level of ventilation lowers the temperature of cabinet hot spots by up to 15°F. Lowering temperatures protects your electronics against failure caused by overheating, which may enable you to install more equipment.









Overview

- Enable ventilation and reliable operation
- Easy to disassemble
- Enable convenient operation
- 1/2/4/6 Fan Units
- 1U Fan Units
- 19" standard installation

Parameters

Fan Size: 120x120x38mm

• cable length: 1.9M

Input frequency: 100-231V/50HZ

• Period: -10°C~50°C

Material: SPCC cold rolled steel

Color: RAL 9004





Sensor Temperature Unit

The Sensor Temperature Unit is a mechanical thermostat is used for controlling heating and cooling equipment, filter fans or signal devices. The thermostat registers the surrounding air and can switch both inductive and resistive loads via snap-action contact. Electronic thermostat, thermostat control and thermostat system are desired switching thermostat, heating elements and heating cooling devices such as the temperature setting on the scale equals to the upper switch point, which means that the Normally Closed contact opens. The temperature setting minus switch temperature difference (and tolerances) equals to the lower switch point, which means that the Normally Closed contact closes.

Application:

The Sensor Temperature Unit "temperature control" is designed for applications that requires high volume cooling inside Server or Network Cabinets snap-action contact, the built-in sensor alarm snap feature will allow the user to control the maximum temperature inside cabinet, it also has a built-in sensor fault alarm snap it mounts to any standard 19" installation cabinet to provide a maximum airflow in your mission critical network.

Operation Features

- Most popular model in the market.
- Exquisite design with precise dimensi and craftsmanship.
- Mechanical Control.
- PC Body Materials.
- Sensor element is thermostatic bimeta
- Contact type is change-over snap-act

Overview

- Enable ventilation and reliable operation
- Easy to disassemble
- Enable convenient operation
- 1/2/4/6 Fan Units
- 1U Fan Units
- 19" standard installation





Cabinet Cable Managers

Cabinets usually have built-in troughs for cable routing, knockouts for cable pass-throughs, and tieoff points for cable management. You can also add horizontal or vertical cable managers to the cabinet's rails to manage and route cables more efficiently. Cable managers control bend radius to protect cables from hidden crushes, kinks, and snags, and reduce maintenance time by keeping your cabinet neat and organized. Plus, properly managed cables help to improve airflow.



1U Metal Cable Management with Cover

Material: SPCC cold rolled steel

Color: BLACK

19inch 1U Cable Management

With Cover

Compatible with 19inch network Model No.: LN-DW-CM-M-C



1U Plastic Cable Management

Material: SPCC cold rolled steel and plastic rings

Color: BLACK

19inch 1U Cable Management

With 5 Rings

Compatible with 19inch network
Model No.: LN-DW-CM-P-5



1U Metal Cable Management

Material: SPCC cold rolled steel

Color: BLACK

19inch 1U Cable Management

With 4 Rings

Compatible with 19inch network Model No.: LN-DW-CM-M-4



1U Cable Management with Brush

Material: SPCC cold rolled steel + Brush

Color: BLACK

19inch 1U Cable Management

With Brush

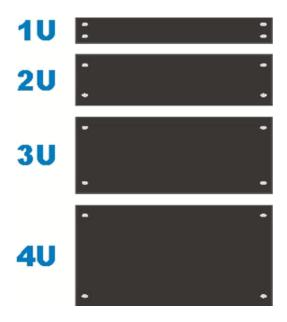
Compatible with 19inch network

Model No.: LN-DW-CM-B



Cabinet Blank Panels

Rack blanking panels are sometimes called filler panels as they are designed to fill the openings in server racks that are not in use. This provides security as well as physical protection for the equipment in the server rack. Rack blanking panels can be vented or solid and come with or without hinges.





Standard Configuration

Standard: 19"

Height: 1U, 2U, 3U and 4U

Material: SPCC Cold Rolled Steel, 19" Profile: 1.0mm

Powder coating surface finish

Color: RAL 9004 (black) or RAL7035 (grey)



Cabinet Shelves

Shelves are an easy solution for storing things that aren't rack mountable. The shelves attach to the rails; servers or other equipment sits on the shelves. Make sure the shelf has the weight capacity you need some can hold hundreds of pounds. For easy access to components in your cabinet, choose a sliding shelf. There are also vented shelves that improve air circulation within the cabinet.

Although most shelves fit 19" rails, there are shelves that go on the less-common 23" rails. There are also brackets that can adapt many devices intended for 19" mounting to 23" rails.





Standard Configuration

Standard: 19"

• Size: Width 485mm and Depth 350mm for wall cabinet and 550 for floor cabinet

Load rating: Standard 90 kg

• Material: SPCC Cold Rolled Steel, 19" Profile: 1.2mm

Powder coating surface finish

Color: RAL 9004 (black) or RAL7035 (grey)





Data Cabinet Products Catalogue



Lenora Sweden Office

Föreningsgatan 28/2053 Malmö - Sweden Zip Code 211 65 Tel.: +46 40 6453755

Lenora Bulgaria Office

15B Han Krum St., 2nd Floor, Bourgas - Bulgaria Zip Code 8000

Tel.: +359 88 6944200 Lenora USA Office

575 12th Road S, Arlington - State of Virginia, USA Zip Code 22206

Tel.: +1 703 489 6377

Email: info@le-nora.com Website: www.le-nora.com

