

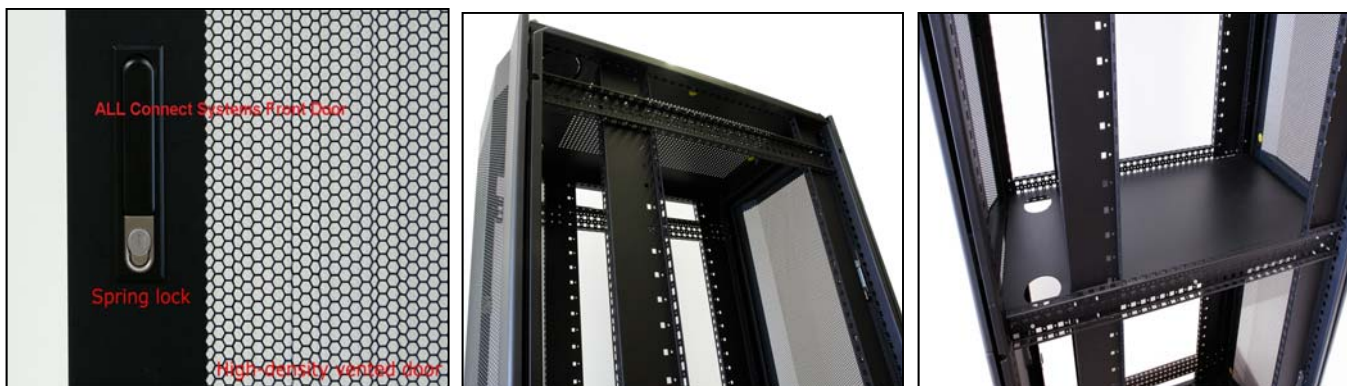


ACS Model 03H Heavy Duty Network/Server Rack 2024



ALL Connect Systems Server Rack Cabinets

- Comply with ANSI/EIA RS-310-D, DIN41497 part 1, IEC297-2, DIN41494 part 7, GB/T3047.2-92 standards.
- Compatible with 19-inch standard, metric standard and ETSI standard Exquisite design with precision, dimensions and craftsmanship, Protection Degree IP20, electrostatic epoxy powdered painted with Black color RAL code 9005 or Grey RAL code 7035.
- Adaptable for Future needs - designed to house all major Servers, Switches, Routers, UPS on the market.
- 4 Heavy Duty Swiveling Castors with 2 breaks and 4 supporting legs can be jointly installed to withstand up to 1,300kg maximum carrying capacity and 230kg mobile carrying capacity, with full series of optional accessories.
- Thickness of 19" Mounting Rails= 2.0mm, thickness of doors= 1.5mm
- Several lockable wiring holes on top/bottom, size of the large hole at the bottom adjustable.
- Optional installation of base enables the cabinet to stay in a fixed position while meeting requirements of under-base wiring/ventilation.
- Linkage cab
- Front and Rear Doors could be Single Sheet Glass/Vented Doors or Divided Double Sectional Doors. The side door panels are removable and with key lock. All doors are easy-to-disassemble Front/Rear/Left/Right doors enable convenient operation from any side of the cabinet. Vented Front/Rear doors, 86% is vented space enable ventilation and reliable operation.
- 4 Fans are installed in two ways operation.
- 1 Fixed Shelf.
- 1 PDU - Power Distribution Unit with 9-ways for Europe style or 8-ways for UK Style. C13, C16, C19 are also available. Industrial Socket is also available.
- Top Cover is vented (allows convicted air to flow out through the top) Top cover has many areas for cable entry to pass comfortably through.
- The Bottom is opened to offer maximum space for cables to pass comfortably through 5+2 Blank Plate Panels. Central earthing point (copper) is provided at bottom. Grounding tape could be installed between the doors and the housing frame (Optional), also grounding tape could be installed between the 19" mounting angle rails and the frame.



ACS Quick Release Doors:

- Available in Glass or Vented styles.
- Front and Rear Doors could be Single Sheet Glass/Vented Doors or Split Divided Double Sectional Doors (space-saving split/divided double doors)
- In case of Glass Doors, glass is 5mm thickness and it is non-breakable single-pane safety glass.
- In case of vented Front/Rear doors, 86% is vented space enable ventilation and reliable operation.
- Front and Rear Doors are reversible to open right or left and interchangeable front-to-rear.
- All doors are easy-to-disassemble Front/Rear/Left/Right doors enable convenient operation from any side of the cabinet.
- Side doors are removable and easily fitted into position using smooth action slam latches.
- The side door panels are removable and with key lock.
- A center grommet may be removed and replaced with a lock if required.
- Electronic locks can be added to all doors.

ACS Split/Divided Double Door (Glass or Vented): for space saving ACS Split/Divided Double Doors for both Front and Rear doors could be used. Available in Glass or Perforated Vented styles with 86% is vented space enable ventilation and reliable operation.

- The Glass Door type, the glass is 5mm thickness and it is non-breakable single-pane safety glass.
- The Vented Front/Rear doors, 86% is vented space enable ventilation and reliable operation.
- The opening angle is 135° only.

ACS Single Sheet Door (Glass or Vented):

- The Vented Front/Rear doors, 86% is vented space enable ventilation and reliable operation.
- The Glass Door type, the glass is 5mm thickness and it is non-breakable single-pane safety glass.
- The opening angle is 180°.

ACS High-Flow Perforated Metal Door: High-Flow Perforated Vented Metal Doors provide the security of a solid metal door with 86% airflow. Use High Flow Perforated Metal Door on the front or rear of cabinets to encourage front-to-rear airflow through rack-mount equipment.

ACS 19" Rack-Mount Power Strip (PDU):

Horizontal PDU distributes power to multiple pieces of equipment using only one rack mount space (1RMU). Available surge protected and with twist-lock plugs. High-voltage, multi-input, and industrial plugs with 16/32Amp are also available. Power Distribution Units are CE marked - conforms to CEI EN 60439-1 regulation with 9-ways for Europe style or 8-ways for UK Style. Industrial Socket, IEC320 C13, C16, C19 are also available. Vertical PDU is also available with 10 Sockets or with 12 sockets.

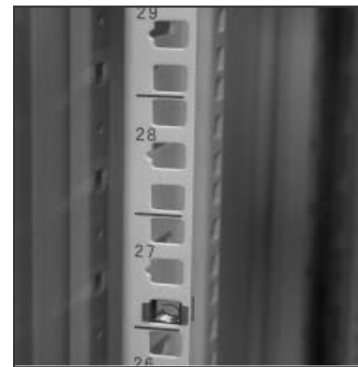
ACS Earthing Kit:

Earthing Kit is supplied with ACS Racks comply with EIA/TIA 607 standards.



ACS 19" Mounting Angle Panels:

19" mounting angle panels are supplied in 2x pairs to provide 19" mounting positions on universal centers. The centre of each U height is notched, making the positioning of cage nuts much simpler. Simple 19" panel mounts may be attached directly to the corner vertical, 60mm from the front door, or onto panel mount angle supports giving adjustment throughout the depth of the rack in 20mm increments. They allow directly fixed chassis trays to be used when the panel mounts are fitted onto the verticals. Simple 19" panel mounts have no side mounting positions. These 19" mounting panel angles are adjustable to front and rear gives flexibility to customers to choose the proper width of their equipments. The 19" mounting angel is in S-shaped to house all major Servers, Switches, Routers, UPS's on the market.

**ACS Frames:**

The frame comprises of 4 symmetrical vertical frames of steel. In case of ACS racks with width 800mm, 12 terminal blocks of steel (3 blocks of steel per each 19" mounting angle panel: 6 on front and another 6 on back) are installed between the 19" mounting angle panels and the frames. Grounding tape installed between the doors and the housing frames (Optional).

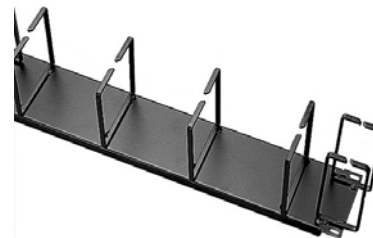
ACS 19" Horizontal Wire Management Panel:

Place above or below Patch Panels and Network Switches to organize patch cords and equipment cords. Use with the Vertical Cable Manager. Cable spools provide a smooth horizontal-to-vertical transition for varied cable insertion.

The horizontal cable management can be used with all patch panels, Patch Cords, PDS and any rack cabinet mount products. It mounts on standard 19" racks or cabinets and provided a clean, beautiful and simple means of organizing from small to large bundles of cables and patch cord.

**Features and Benefits:**

- Standard EIA 19" rack and Cabinet mount.
- Management improves the look of a closet or workstation.
- It is an essential element for easy add-on, moves or changes.
- It is crucial to maintaining cable integrity.
- Light weight, easy to be installed or removed.
- Cable management in the rack provides tool-less operations and extra space for hot air to pass from the rack

**ACS Intelligent Racks (Optional):**

Monitoring improve uptime and staff productivity. It will help IT administrators and facilities managers achieve a number of important corporate performance goals relating to efficiency and productivity, as well as benefit the company's overall environmental initiatives in informed capacity planning decisions and save power and money in addition to take a step towards becoming a more green data center.

Features and Benefits:

- Real time monitoring of rack's temperature and displaying the current temperature and humidity.
- Real time monitoring of power and displaying the voltage and current usage.
- Real time monitoring of door status (open/closed). The administrators who have the rights to access the rack, they may use Electronic Access using IC cards or entering the correct numeric password to open the door of the rack.
- More add-on intelligent features like smoke detectors, lighting and alarm functions could also be installed:
- ACS Lamp 84 LED's with zero noise effect on UTP/STP copper cable.
- ACS Digital Display temp meter: it shows the temp inside and outside the rack in °C/°F degrees.
- ACS movement sensor to detect and alarm the unauthorized access of the doors of ACS racks.

ACS Latch Lock for Front and Rear Doors:

ALL Connect Systems ACS provides 2 Latch Swing Handle Locks (push bottom) for both Front and Rear Doors with the same key are provided with the Rack. Electronic key lock could be supplied (optional). Also Double Split Front or Rear Doors could be Supplied (Optional).



ACS Key Lock for Side Doors:

Also ALL Connect Systems ACS provides the Side Doors could have a standard key lock (Optional) to be provided with the rack. ACS Side Doors are easy to be removable. ACS Side Door Panels include keyed heavy duty plastic pushbutton latches.



ACS Heavy Duty Castors and Adjustable Supporting Legs:

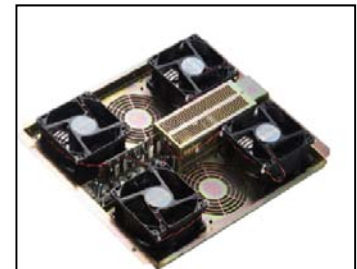
4 Heavy Duty Castors are fitted to the rack, 2 castors are with brakes and 2 castors are without brakes for easier mobility and quick installation.

Adjustable Supporting Legs are screwed directly into the corner blocks. Adjustable Supporting Legs can be adjusted from 25 mm to 50 mm. These allow you to align your rack on uneven surfaces.



ACS Fan Tray:

Top mounted fan tray with 4x Fans with Thermostat Control is available to aid the cooling of your rack-housed equipment. It does not occupy any of the useable U height. Fan trays are supplied with four (or six fans optional). The 4 fans are 14Watts and air throughput up to 140m³/hour with lower average noise level at room temperature. Space has been provided at the rear of the 19” unit to allow a working area for the power management and data cables. Cable access has also been provided in the top cover that does not restrict the use of top mounted fan trays.



ACS Top Cover:

In ACS Racks, the top cover allows air flow through a matrix of square holes on top and allows air flow through side slots as well. The top cover is fully vented with 63% open area perforation in addition to one cable entry area. Top cover has different areas for cable entry to pass comfortably through. The Bottom is opened to offer maximum space for cables to pass comfortably through 5+2 Blank Plate Panels. Blank Plate Panels are also available to cover the unused cable entries.



ACS Fixed Shelves:

ACS fixed shelves are used in applications where heavy loads are required. This fixed shelf offers a load capacity of over 100 Kg. The slots in the fixed shelf allow for good air- flow.



ACS Delivering the Industry's Most Comprehensive Cable Management Solutions:

Whether you are upgrading your current infrastructure or designing a new installation, trust the experts at ALL Connect Systems ACS products to deliver the most comprehensive line of cable management products in the industry. ACS Cable Management sets the standard by providing:

Critical Cat 6a and Fiber Support!

- Designed to meet ANSI/TIA/EIA installation guidelines for Cat 6a cabling and fiber.
- Proper bend radii ensures maximum quality of data transmission.
- Meets high-density cabling requirements.



ALL Connect Systems ACS Vertical Cable Managers:

ALL Connect Systems ACS Rack Cabinets have integrated 2x cable management full height space along of both sides of the rack-mount space (for width 800mm only). Proper cable management is integral to the performance and effectiveness of your network. Managing and maintaining cables and cords provides the critical support, reliability and flexibility needed to sustain and grow your network capabilities. Two Vertical Cable Manager is included with every ACS Cabinet. Adjust the depth of the cable manager to align with equipment to guide cables directly to the connection.

ACS Cable Management Solutions will help you!

- Streamline the management of your cables and patch cords to optimize the signal quality and network speed of your information exchange.
- Organize cables so that they can be easily traced from start to finish when performing moves, adds and changes, saving you valuable time and money.
- Fulfill high-density cabling requirements while maintaining proper bend radius and slack management for maximum network performance.
- Add additional horizontal or vertical cable managers.
- Cost effective solutions.
- Quality products that simplify network maintenance and costs.
- Perform easy moves, add and changes to connections, saving time and money.
- Support future growth and cabling demands.

At ACS we consider the special requirements from our customers as a new challenge to figure out alternative solutions.

ACS Rack Cabinet Part Numbers:

ALL Connect Systems has made ordering easier by expanding its part number matrix so that you can now order any Cabinet preassembled with your choice.

Part Number #	Capacity	width x depth x height	Item Description
ACS-CC-03H-2788	27U	800 x 800 x 1388mm	ACS Heavy Duty Rack 27U, 800x800mm, ACS Vented Doors , thickness 2mm, 1xFixed shelf, 4xFans, 2xKey Locks, 2xSide Door Panels, 1xPDU Power Strip 8 outlets, 2xVertical Cable Management, Carrying Capacity= 1300Kg
ACS-CC-03H-276100	27U	600 x 1000 x 1388mm	ACS Heavy Duty Rack 27U, 600x1000mm, ACS Vented Doors , thickness 2mm, 1xFixed shelf, 4xFans, 2xKey Locks, 2xSide Door Panels, 1xPDU Power Strip 8 outlets, Carrying Capacity= 1300Kg
ACS-CC-03H-326100	32U	600 x 1000 x 1610mm	ACS Heavy Duty Rack 32U, 600x1000mm, ACS Vented Doors , thickness 2mm, 1xFixed shelf, 4xFans, 2xKey Locks, 2xSide Door Panels, 1xPDU Power Strip 8 outlets, Carrying Capacity= 1300Kg
ACS-CC-03H-376100	37U	600 x 1000 x 1833mm	ACS Heavy Duty Rack 37U, 600x1000mm, ACS Vented Doors , thickness 2mm, 1x fixed shelf, 4x Fans, 2x Key Locks, 2x Side Door Panels, 1x PDU Power Strip 8 outlets
ACS-CC-03H-3788	37U	800 x 800 x 1833mm	ACS Heavy Duty Rack 37U, 800x800mm, ACS Vented Doors , thickness 2mm, 1xFixed shelf, 4xFans, 2xKey Locks, 2xSide Door Panels, 1x PDU Power Strip 8 outlets, 2x Vertical Cable Management, Carrying Capacity= 1300Kg
ACS-CC-03H-378100	37U	800 x 1000 x 1833mm	ACS Heavy Duty Rack 37U, 800x1000mm, ACS Vented Doors , thickness 2mm, 1xFixed shelf, 4xFans, 2xKey Locks, 2xSide Door Panels, 1x PDU Power Strip 8 outlets, 2x Vertical Cable Management, Carrying Capacity= 1300Kg
ACS-CC-03H-4268	42U	600 x 800 x 2055mm	ACS Heavy Duty Rack 42U, 600x1000mm, ACS Vented Doors , thickness 2mm, 1xFixed shelf, 4xFans, 2xKey Locks, 2xSide Door Panels, 1xPDU Power Strip 8 outlets, Carrying Capacity= 1300Kg
ACS-CC-03H-426100	42U	600 x 1000 x 2055mm	ACS Heavy Duty Rack 42U, 600x1000mm, ACS Vented Doors , thickness 2mm, 1xFixed shelf, 4xFans, 2xKey Locks, 2xSide Door Panels, 1xPDU Power Strip 8 outlets, Carrying Capacity= 1300Kg
ACS-CC-03H-4288	42U	800 x 800 x 2055mm	ACS Heavy Duty Rack 42U, 800x800mm, ACS Vented Doors , thickness 2mm, 1xFixed shelf, 4xFans, 2xKey Locks, 2xSide Door Panels, 1x PDU Power Strip 8 outlets, 2x Vertical Cable Management, Carrying Capacity= 1300Kg

ACS-CC-03H-428100	42U	800 x 1000 x 2055mm	ACS Heavy Duty Rack 42U, 800x1000mm, ACS Vented Doors , thickness 2mm, 1xFixed shelf, 4xFans, 2xKey Locks, 2xSide Door Panels, 1x PDU Power Strip 8 outlets, 2x Vertical Cable Management, Carrying Capacity= 1300Kg
ACS-CC-03H-428120	42U	800 x 1200 x 2055mm	ACS Heavy Duty Rack 42U, 800x1200mm, ACS Vented Doors , thickness 2mm, 1xFixed shelf, 4xFans, 2xKey Locks, 2xSide Door Panels, 1x PDU Power Strip 8 outlets, 2x Vertical Cable Management, Carrying Capacity= 1300Kg
ACS-CC-03H-428135	42U	800 x 1350 x 2055mm	ACS Heavy Duty Rack 42U, 800x1350mm, ACS Vented Doors , thickness 2mm, 1xFixed shelf, 4xFans, 2xKey Locks, 2xSide Door Panels, 1x PDU Power Strip 8 outlets, 2x Vertical Cable Management, Carrying Capacity= 1300Kg
ACS-CC-03H-4488	44U	800 x 800 x 2155mm	ACS Heavy Duty Rack 44U, 800x800mm, ACS Vented Doors , thickness 2mm, 1xFixed shelf, 4xFans, 2xKey Locks, 2xSide Door Panels, 1x PDU Power Strip 8 outlets, 2x Vertical Cable Management, Carrying Capacity= 1300Kg
ACS-CC-03H-4588	45U	800 x 800 x 2215mm	ACS Heavy Duty Rack 45U, 800x800mm, ACS Vented Doors , thickness 2mm, 1xFixed shelf, 4xFans, 2xKey Locks, 2xSide Door Panels, 1x PDU Power Strip 8 outlets, 2x Vertical Cable Management, Carrying Capacity= 1300Kg
ACS-CC-03H-458100	45U	800 x 1000 x 2215mm	ACS Heavy Duty Rack 45U, 800x1000mm, ACS Vented Doors , thickness 2mm, 1xFixed shelf, 4xFans, 2xKey Locks, 2xSide Door Panels, 1x PDU Power Strip 8 outlets, 2x Vertical Cable Management, Carrying Capacity= 1300Kg
ACS-CC-03H-476100	47U	600 x 1000 x 2299mm	ACS Heavy Duty Rack 47U, 600x1000mm, ACS Vented Doors , thickness 2mm, 1xFixed shelf, 4xFans, 2xKey Locks, 2xSide Door Panels, 1x PDU Power Strip 8 outlets, Carrying Capacity= 1300Kg
ACS-CC-03H-4788	47U	800 x 800 x 2299mm	ACS Heavy Duty Rack 47U, 800x800mm, ACS Vented Doors , thickness 2mm, 1xFixed shelf, 4xFans, 2xKey Locks, 2xSide Door Panels, 1x PDU Power Strip 8 outlets, 2x Vertical Cable Management, Carrying Capacity= 1300Kg
ACS-CC-03H-478100	47U	800 x 1000 x 2299mm	ACS Heavy Duty Rack 47U, 800x1000mm, ACS Vented Doors , thickness 2mm, 1xFixed shelf, 4xFans, 2xKey Locks, 2xSide Door Panels, 1x PDU Power Strip 8 outlets, 2x Vertical Cable Management, Carrying Capacity= 1300Kg

All the above racks are using the following standards:

- IEC 60297: Dimensions of mechanical structures of the 482.6 mm (19”) series
- DIN 41494: Basic specification for the 19” construction systems
- EN 60950: European safety standard for information technology equipment
- VDE 0100: Installation and Set up of current systems and earthing
- ANSI/EIA RS-310-D
- Warranty shall be 30 years.

ALL Connect Systems ACS Racks with Customized Doors:

ACS Split/Divided Double Door (Glass or Vented): for space saving ACS Split/Divided Double Doors could be used. Available in Glass or Vented styles.

- The Glass Door type, the glass is 5mm thickness and it is non-breakable single-pane safety glass.
- The Vented Front/Rear doors, 86% is vented space enable ventilation and reliable operation.
- The opening angle is 135° only.

ACS Single Sheet Door (Glass or Vented):

- The Vented Front/Rear doors, 86% is vented space enable ventilation and reliable operation.
- The Glass Door type, the glass is 5mm thickness and it is non-breakable single-pane safety glass.
- The opening angle is 180°.

ACS High-Flow Perforated Metal Door: High-Flow Perforated Metal Doors provide the security of a solid metal door with 86% airflow. Use High Flow Perforated Metal Door on the front or rear of cabinets to encourage front-to-rear airflow through rack-mount equipment.

Part Number #	Capacity	width x depth x height	Item Description
ACS-CC-03H-458120	45U	800 x 1200 x 2215mm	ACS Rack 45U, Width x Depth= 800x1200mm, ACS Single Sheet Vented Front and Rear Doors , thickness 2.0mm, 1xFixed shelf, 4xFans, 2xKey Locks, 2xSide Door Panels, 2x Vertical Cable Management, Carrying Capacity= 1300Kg
ACS-CC-03H-478120	47U	800 x 1200 x 2299mm	ACS Rack 47U, Width x Depth= 800x1200mm, ACS Single Sheet Front Vented Door and Double Split Rear Vented Doors , thickness 2.0mm, 1xFixed shelf, 4xFans, 2xKey Locks, 2xSide Door Panels, 2x Vertical Cable Management, Carrying Capacity= 1300Kg
ACS-CC-03H-468120	48U	600 x 1200 x 2347mm	ACS Rack 48U, Width x Depth= 600x1200mm, ACS Single Sheet Front Vented Door & Double Split Rear Vented Door , thickness 2.0mm, 1xFixed shelf, 4xFans, 2xKey Locks, 2xSide Panels, Carrying Capacity= 1300Kg
ACS-CC-03H-488120	48U	800 x 1200 x 2347mm	ACS Rack 48U, Width x Depth= 800x1200mm, ACS Single Sheet Front Vented Door & Double Split Rear Vented Door , thickness 2.0mm, 1xFixed shelf, 4xFans, 2xKey Locks, 2xSide Panels, 2x Vertical Cable Management, Carrying Capacity= 1300Kg

All the above racks are using the following standards:

- IEC 60297: Dimensions of mechanical structures of the 482.6 mm (19") series
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- ANSI/EIA RS-310-D
- Warranty shall be 30 years.

ACS Accessories Part Numbers:

Part Number #	Item Description
ACS-F-Shelf-800	ACS Fixed Shelf used for racks with depth 800mm
ACS-F-Shelf-1000	ACS Fixed Shelf used for racks with depth 1000mm
ACS-S-Shelf-800	ACS Sliding Shelf used for racks with depth 800mm
ACS-S-Shelf-1000	ACS Sliding Shelf used for racks with depth 1000mm
ACS-FAN-4	ACS Fan Plate with 4 Fans
ACS-PDU-UK-8	ACS Power Distribution Unit (PDU) UK Interface 8-ways, 19" Horizontal, 1U space
ACS-PDU-EU-9	ACS Power Distribution Unit (PDU) Europe Interface 9-ways, 19" Horizontal, 1U space
ACS-PDU-C13-9	ACS Power Distribution Unit (PDU) C13 Interface 9-ways, 19" Horizontal, 1U space
ACS-PDU-C14-9	ACS Power Distribution Unit (PDU) C14 Interface 9-ways, 19" Horizontal, 1U space
ACS-PDU-C13-10	ACS Power Distribution Unit (PDU) C13 Interface 10-ways, 19" Horizontal, 1U space
ACS-PDU-C14-10	ACS Power Distribution Unit (PDU) C14 Interface 10-ways, 19" Horizontal, 1U space
ACS-PDU-UK-8-IND	ACS Power Distribution Unit (PDU) UK Interface 8-ways, 19" Horizontal, 1U space, with industrial plug (industrial Plug could be used also with Europe, C13, C16, C19 interfaces)
ACS-PDU-UK-V-10	ACS Power Distribution Unit (PDU) UK Interface 10-ways, Vertical type
ACS-PDU-UK-V-12	ACS Power Distribution Unit (PDU) UK Interface 12-ways, Vertical type
ACS-VCM-27	ACS Vertical Cable Manager for 27U Racks
ACS-VCM-37	ACS Vertical Cable Manager for 37U Racks
ACS-VCM-42	ACS Vertical Cable Manager for 42U Racks
ACS-VCM-50	ACS Vertical Cable Manager for 50U Racks
ACS-Split-800	ACS Split (Double) Glass/Vented Door could be used for ACS Racks with width= 800mm
ACS-Feet	ACS Leveling feet base/plinth adaptor (Package = 4 PCs)
ACS-Plinth 800*800	ACS Heavy Duty Plinth for racks with Width x Depth = 800x800mm
ACS-Plinth 800*1000	ACS Heavy Duty Plinth for racks with Width x Depth = 800x1000mm

Solution:

ACS offers a dedicated support to develop complete solutions such as datacenter, server farms, POPs, control rooms, security areas or to solve multiple applications. In that way, ACS can offer a global approach to reduce the cost of ownership of the whole IT infrastructure, still preserving its flexibility and modularity. The wide range of products and services offered by ACS allows customers to select the most appropriate cabinet in terms of design, costs and delivery time. Besides that, ACS can modify any Rack included in this catalogue. We strive to offer commitment to continuous improvement.

Find more information about ALL Connect Systems Freestanding Cabinets at:

www.allconnectsystems.com

All products quoted are subject to availability based on manufacturing capacity and shipping dates should be considered estimates only. While every effort has been made to ensure the accuracy of all information, ALL Connect Systems does not accept liability for any errors or omissions and reserves the right to change information and descriptions of listed services and products

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