

# CALEDONIAN CABLE CABINETS

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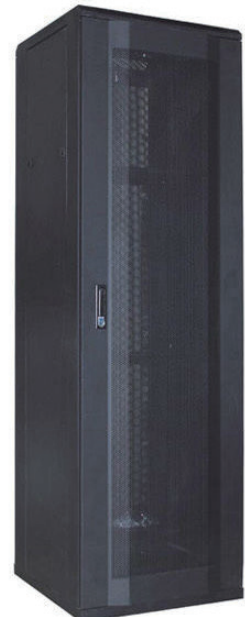
# Wall Mount Net Work Cabinet

## APPLICATION

Widely used in network system, educational system, broadcasting system and telecommunication system. Suitable for placing server computer and precision electronic equipments.

## FEATURES

- Exquisite design with precise craftsmanship.
- International popular smoky-gray glass front door.
- Easily be mounted on wall, or placed on floor after installed castor or feet.
- Loading capacity: 60KG.
- Top and bottom wiring channel could be closed.
- Removable front door and side panel, easily installing and maintaining.
- Surface finish: Degreased, acid cleaned, phosphoric, water cleaned, electro-static powder coating, meet ROHS standard.



## OPTIONS

Swing frame for ready access to the rear of equipment.

Glass or Metal front door.

Left & Right hand door hinging.

Removable rear panel.

Roof fan trays can be fitted – refer to accessories section.

## OVERALL DIMENSION SIZE: CUSTOMIZED ACCEPTED

Capacity/U	Width/mm	Depth/mm	Height/mm	CM/Width/m	CM/Depth/m	CM/Height/m	Volume/CBM
6U	600	450	368	0.67	0.52	0.43	0.15
9U	600	450	501	0.67	0.52	0.56	0.20
12U	600	450	635	0.67	0.52	0.70	0.24
15U	600	450	769	0.67	0.52	0.83	0.29
18U	600	450	901	0.67	0.52	0.96	0.33
22U	600	450	1082	0.67	0.52	1.14	0.40

# Network Cabinet

## APPLICATIONS

This cabinet is widely applied in finance, securities and data center. New deeper file servers have lead to the release of a 1200mm (1.2m) deep version of the rack. For ease of use and safety, the frame has been designed so that the sides consist of 2 x 600mm panels with a vertical support. In addition, there are frame supports in the base and stiffening in the top panel. This assures the frame will be strong and stable to support large loads

## MATERIALS

Cold-rolled steel sheet. Thickness for frame 0.8mm, mounting rail 1.2mm, smoky grey glass 5mm

## FEATURES

- Exquisite design with precise craftsmanship.
  - Adjustable and heavy duty castors are available at the same time. Static loading:300KG.
  - The top and bottom wiring channel can be closed and adjusted.
  - Vented front door and rear door enable ventilation and reliable operation.  
Rack's side panel can be easily assembled.
  - Surface finish: degreasing, pickling, phosphoric, powder coating.
  - Adjustable feet and heavy duty castors are available at the same time , static loading: 800kg.(with adjustable feet).
  - Height, width, and depth selectable, full range of optional accessories.
- Available Sizes



## OVERALL DIMENSION SIZE: CUSTOMIZED ACCEPTED

Capacity/U	Width/mm	Depth/mm	Height/mm	CM/Width/m	CM/Depth/m	CM/Height/m	Volume/M <sup>3</sup>
18U	600	600	988	0.63	0.63	1.02	0.40
22U	600	600	1166	0.63	0.63	1.2	0.48
27U	600	600	1388	0.63	0.63	1.42	0.56
32U	600	600	1610	0.63	0.63	1.64	0.65

# EMC Shielding Cabinet

## APPLICATIONS

The Caledonian EMC shielding cabinet are made from the same proven modular R.F. shielding materials as our full size Modular R.F. Shielded Enclosure systems and offer the same exceptional R.F. Shielding Effectiveness.

## FULLY CUSTOMIZABLE

Each EMC shielding cabinet is designed from the ground up to satisfy all the requirements of the client.

## FEATURES

- Shielded enclosure: Airtight enclosure welded by cold rolled steel plate . Surface finishing: galvanizing, powder coating and other anticorrosive treatment.
- Shield door: Welded by cold rolled steel plate and shield reed .
- Filter: Power filter with wide suppressed frequency band and high insertion loss.
- Wave-guide window: Honeycomb style window with mini aerofoil fan on the top plate. Exhaust air rate of each fan: 1.4 cbm/min.
- Others: Optional transmission interface and socked outlet as required .
- Prevente the information leakage of computer, network server, switchboard,etc.
- Prevented the interference of electromagnetic waves .
- Easy operation, reliable.



**SIZE: CUSTOMIZED ACCEPTED**

# 19" EMI Shielding Cabinet

## APPLICATIONS

The Caledonian EMC shielding cabinet are made from the same proven modular R.F. shielding materials as our full size Modular R.F. Shielded Enclosure systems and offer the same exceptional R.F. Shielding Effectiveness

## FEATURES

All the doors are fitted with Shielding Gaskets incorporating water and dust sealing capability.

A filter housing in the base of the cabinet accommodates the AC mains RF filters, with access through an internal removable cover. A safety cover protects the mains terminal on the cabinet exterior. Venting is provided through fully gasketed honeycomb RF filters and additional airflow can be achieved by the addition of a fan unit, however the cabinet will no longer meet the IP55 dust and moisture standard.

### ITEM 1: 700x600x2100mm EMI Shielded Cabinet (rack for RF-units 19" mounting)

Each unit comes with the following items and features;

- 1unit Main frame structure
- Material in Cold Rolled Steel
- 4pcs IEC279 Standard 19" mounting angle with RU label at the front;
- 1pc base stiffener;
- 1pc Front door c/w multi point lock set, louvers and concealed heavy duty hinges;
- 1pc Rear door c/w multi point lock set and concealed heavy duty hinges;
- 1pc Side panel (secured from inside);
- 1set RFI sealing tape for doors and other openings;
- 2sets, RFI gaskets self-secured type mounted on the frame doors opening to interface with the doors to provide an effective RF



shielding when the doors are in closed position;

- 4nos, EMI/RFI honeycomb panels. Each panel good for 2 fans;
- 1no top/bottom cable entry panel with custom cut out;
- 4nos, threaded and full weld M16 eyebolt assembly;
- 4nos, Eyebolts on four top corners;
- 50 sets of cagenut assembly;
- Earth wire kits to connect cabinet frames and doors
- 1set, fan assembly unit;
- Material pre-treatment of degreasing, de-rusting and phosphating prior to powder-coating
- Powder-coated to RAL 7035, light grey in textured finishing.
- EMI filters to be mounted on roof of the cabinet:
  - 1pc, 48V DC(100A)
  - 1pc, 230V AC/16A (this is optional for BTS cabinet)
  - Up to 8pcs RJ45 ethernet
  - Several through holes for RF N or 7/16 fixed connectors.

**ITEM 2: 600mmx600mmx2100mm EMI Shielded Cabinet (Rack for RF-terminals 19" mounting)**

Each unit comes with the following items and features;

- 1unit, Main frame structure;
- Material in Cold Rolled Steel
- 4pcs, IEC279 Standard 19" mounting angle with RU label at the front;
- 1pc, base stiffener;
- 1pc, Front door c/w multi point lock set, louvers and concealed heavy duty hinges;
- 1pc, Rear door c/w multi point lock set and concealed heavy duty hinges;
- 1pc, Side panel (secured from inside);
- 1set, RFI sealing tape for doors and other openings;
- 2sets, RFI gaskets self-secured type mounted on the frame doors opening to interface with the doors to provide an effective RF shielding when the doors are in closed position;

- 4nos, EMI/RFI honeycomb panels. Each panel good for 2fans;
- 1no, top/bottom cable entry panel with custom cut out;
- 4nos, threaded and full weld M16 eyebolt assembly;
- 4nos, Eyebolts on four top corners;
- 50 sets of cagenut assembly;
- Earth wire kits to connect cabinet frames and doors  
c/w fan assembly unit;

Material pre-treatment of degreasing, de-rusting and phosphating prior to powder-coating

- Powder-coated to RAL 7035 light grey in textured finishing.
- EMI filters to be required as follows:
  - 1 or 2pcs, 230V AC/16A
  - 120pcs, UBS 2
  - 1-5 through holes for RF N or 7/16 fixed connectors.



## **CALEDONIAN**

Unit B 22/F CMA Building

64-66 Connaught Road Central

Hong Kong

Tel: 852-36527508

Fax: 852-35834834

Email: [hk@caledonian-cable.co.uk](mailto:hk@caledonian-cable.co.uk)