

## Wall mount shielded racks

As one of the worlds most well-known specialists in the field of EMI shielding and the widest range of shielding products in the world, we are able to offer our customers very good shielded enclosures from stock as well as specially tailored for our customer.

### Applications

- Server rooms
- Digital forensics
- Wireless testing
- RD
- EMC Testing

### How it is designed

We deliver relatively simple shielded boxes for small studies to large EMI and FCC heavy-duty Shielded enclosures.

Our EMI shielded racks are constructed of our patented Mu-ferro 6800 series plate material, which is galvanically perfectly compatible with our EMI shielding gasket materials. This combination results in a very high shielding performance, also in the long term.

Our Shielded enclosures allow you to meet a wide variety of requirements for EMI/RFI suppression including:

- Mil Spec 285
- TEMPEST
- FCC Part 15
- European VDE

Our EMI FCC product lines come in both vertical racks and sloped front consoles (15 30 degree). It is designed with double ledge, double plane corner construction which make it the strongest cabinet in the industry, capable of carrying up to 1400 kg of equipment.

### EMI and FCC Heavy Duty Enclosures

Depending on the desired attenuation levels and frequency range the gasketing material for our racks can be beryllium copper spring-finges; Standard shield and/or ultra soft shield.

These gaskets are proven over a period of time, it is not affected by air, ozone, ultraviolet and nuclear radiation or solvents and can not flake or break into small conductive pieces that can short out electronics.

We have 6 different levels of attenuation. The most meet TEMPEST and EMP requirements. Additionally there are two stainless steel studs in the lower rear of frames to assist in grounding. Our most advanced product meets and exceeds the NSA 94-106 standard.

The FCC racks are made of 14 gauge steel. Silver braid gaskets are attached to the frame with a conductive, pressure sensitive adhesive. The gaskets foam core offers low closure force. All surfaces of doors, panels and frames that come in contact with EMI gaskets have a metallized corrosion resistive surface. FCC racks provide versatility, reliability and cost efficiency while still meeting FCC, CE Mark or other commercial requirements.

EMI FCC cabinets feature panel mounting angles made from 3/16 steel, 50% thicker than the average used in the industry. Horizontal support channels are removable because of the extreme strength of the frame. Positive door latching hardware, not magnetic or velcro stripping, is standard.

### Standard Sizes

#### Standard Panel Heights:

534 mm to 2134 mm, in any 45 mm increment



*Wall mount shielded racks closed front view*



*Wall mount shielded racks open front view*



*All shielded racks are equipped with shielded Honeycomb ventilation panels*

## Wall mount shielded racks

### Standard Depths:

43 mm, 61 mm, 74 mm and 92 mm

### Standard Panel Widths:

48 mm, 61 mm, 76 mm, adapters are available for mounting 23 (58 mm) equipment

### Attenuation Levels

#### FCC/VDE Shielded Cabinets

##### (Standard cabinets, performance level 1)

Equipto FCC/VDE cabinets provide high attenuation at low cost. These cabinets can help ensure your equipment meets FCC/VDE or other EMI requirements for a variety of commercial and industrial applications. Modular construction ensures compatibility with our Heavy Duty and RFI Cabinets. Of course, all the benefits of our Heavy Duty Cabinets, such as 3,000 pound load capacity, make this a very cost effective shielded cabinet.

Learn more...

#### EMI shielded Cabinets

##### (High performance cabinets, performance level 2)

Our high performance cabinets provide serious protection for EMI/RFI signal intrusions or leakage with sensitive equipment for RF to the microwave band. With shielding effectiveness of over 75 dB at 40 Ghz, the enclosure provides essential defense against EMP weapons and geomagnetic storms that can take out communication centers, power plants, surveillance systems and more.

##### The highest EMI/RFI protection available!

##### (Ultra high performance cabinets, performance level 3)

In the fields of intelligence and computer security, TEMPEST requirements, specifically NSA 94-106, is among the most stringent. Our latest Ultra high performance shielded cabinets are the electronics enclosure, developed by Equipto Electronics engineers, not only meets but far exceeds the NSA 94-106 standard.

The cabinets are custom sized to your requirements. You have options such as front and/or rear doors, panels or a combination of the two; adjustable vertical mounting rails with either punched, threaded or square holes and a wide variety of other accessories.

### Options

Our shielded racks are designed to be modular and flexible, a wide variety of accessories are available.

Wide variety of Panels and Doors

Fixed, Sliding and Modem Shelves

I/O Panels

Storage and Equipment Drawers

Caster Bases, Caster Dollies and Trucks

Fans and Blowers for cooling

Chassis Guides and Supports

I/O compartments for panels

Copper Bus Bars

Plug Molds

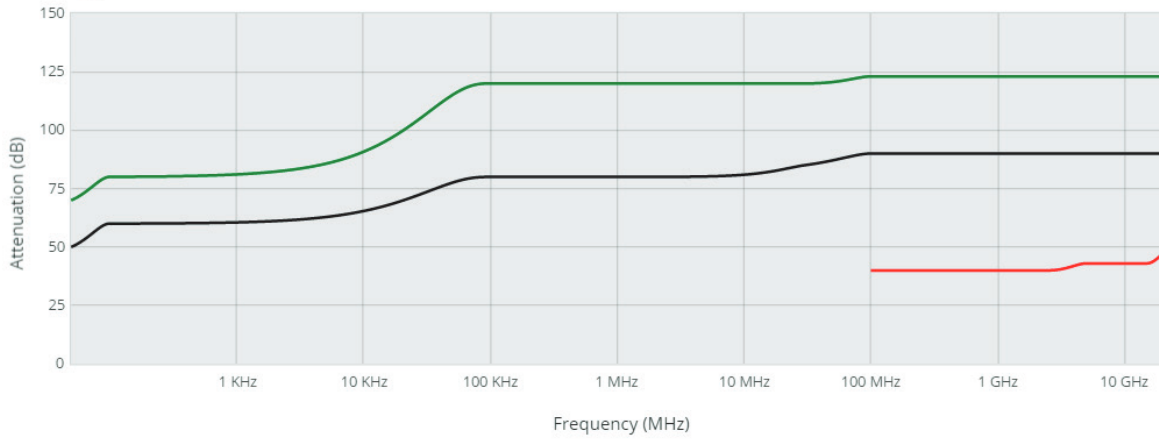
With Shock and Vibration absorbers (tested to Mil-Std 810D, section 514.3-7,8 and 9, which simulates 20 years of rough service in a mobile application. This cabinet was also tested to Mil-Std 901 which simulates a 10g hammer hit.)

### Shielding performance

## Wall mount shielded racks

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### Shielding performance



■ Shielded racks performance level 1

■ Shielded racks performance level 2

■ Shielded racks performance level 3

**Please note :** These values are measured under laboratory conditions. Results may vary in other situations; please read our Guarantee.