

# Radio Frequency (RF) Shielded Cabinet

SKU#: ECX-61145-1P-2X16



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The RF Shielded Cabinet provides industry leading radio frequency shielding technology, isolating interference with outside equipment and networks. The enclosure is designed with a standard 45U rack height and 1200mm depth to go within a proper form fit and function for the unit. The cabinet is designed to be bayed together with other cabinets and seismically anchored. The cabinet enclosure comes with standard square punched rails allowing for easy deployment of any type of device.

## APPLICATIONS

- Mobility products which require wireless attenuation
- Mobile device farms for rapid app testing
- Strict PCI Compliance
- Isolation of sensitive data from emergent threats including EMI and power analysis side channels
- Segregation of wireless networks; In-rack wireless networks

## KEY FEATURES

### Power Conditioning

A special power conditioning unit is deployed on top of the enclosure allowing external power source to be brought inside the unit without affecting the RF shielding performance. Available for single phase and three phase circuits.

### Cooling

8x variable fans allows for the heat to be exhausted at a rapid pace out of the enclosure.

### Specialized Products

The Radio Frequency (RF) Shielded Cabinet uses specialized products and components to allow it to produce the best shielding capabilities. Special types of grounding accessories are also provided with the cabinet.

### Mobility Rack

Deploy up to 1,000 mobile devices in a single rack that incorporates compute, storage, networking, and power resources. Sliding shelves include trays that hold mobile devices in place and pull out completely for easy access to all devices in the tray.

### Customizable I/O

Customizable I/O panels allow for signal and fiber connectivity.



## PRODUCT FEATURES

### Doors

- Two (2) doors: One (1) front door and one (1) rear door
- Single point vertical door handle with lift off hinges
- Hand changeable
- Six (6) latches per door
- One (1) hasp lock per door
- Five (5) replaceable honeycomb particle intake filters on front door

### Electrical

- Two (2) “shoebox” electrical boxes with 30 AMP, 250V locking receptacles
- Ground bar systems

### I/O Panel

Populated and blank I/O panels installed on the top or bottom of the rack

- One blank I/O panel
- One populated I/O panel with 15 SplitFORM fiber optic waveguides, .50 bore

### Media Converter

Gigabit 1000 base, LX, single mode, unmanaged

- One media converter assembly consists of:
  - Two (2) standalone media converters
  - Two (2) power cords with plugs

### Cooling

Up to 10 Kw cooling with a 25° delta

- Ten (10) 208V 4.69 inch 230 CFM fans installed on rear doors (2 per honeycomb)

### Honeycomb Air Vents

Ten (10) Honeycomb air vents (5 per cabinet door)

Dimensions: 16in x 10in

### Cable Management

- Two (2) cable management mounting brackets
- Four (4) modified Enconnex cable managers

### Provided Accessories

- Four (4) antenna brackets
- Two (2) hold down brackets
- Top skirt for media conversion
- Coupling brackets
- Four (4) casters
- Four (4) leveling feet

### Attenuation Performance

- 85 dB @ 1 GHz
- 80 dB @ 5 GHz
- 70 dB @ 10 GHz

## SPECIFICATIONS

Physical	Specs
Dimensions (H x W x D)	88.74 x 26.49 x 56.97 in. (2254mm x 600mm x 1303mm)
Max Mounting Depth	990mm
# of RUs	45U
# of RUs - Usable Space	42U
Net Weight	771lbs or 350 kg

## RF SHIELDED CABINET - PARTS INCLUDED

Part	Quantity
Square Hole Rails	4 pcs
20A 250V Power Line Filters	2 pcs
Power Cords, 10ft.	2 pcs
SplitForm Wave Guides	2 pcs
Leveling Feet	4 pcs
Casters	4 pcs
Seismic Floor Mount	2 pcs
PDU/Cable Manager Mounts	4 pcs
Ground Bar	1 pcs

