

# DefenseShield™ Light RF Shielded Cabinet

SKU#: ECX-RFC-61342-PXXX

The DefenseShield Light is a full-size RF shielded, EMC hardened cabinet that provides military-grade radio frequency (RF) shielding mitigating signals emanating from or interfering with electronics within the enclosure. The cabinet features lightweight, rugged construction with a standard server rack form factor. DefenseShield Light has the same features, benefits, and construction as the standard DefenseShield, just with a lower cooling capacity.

## APPLICATIONS

DefenseShield acts as a Faraday cage by attenuating RF signals entering or exiting the enclosure. Applications include installations in an office, lab, or data center.

### Cybersecurity

- Isolation of sensitive data from emergent threats including EMI and power analysis side channels.

### Innovation

- Mobile device testing
- Segregation of wireless networks; In-rack wireless networks

### Communications

- Emanations control mitigating interference with scientific equipment such as satellite radio antennas

## KEY FEATURES

### Lightweight, Rugged Construction

Rack weight does not limit installation location

### Standard Rack Footprint

Seamless integration into data center layout

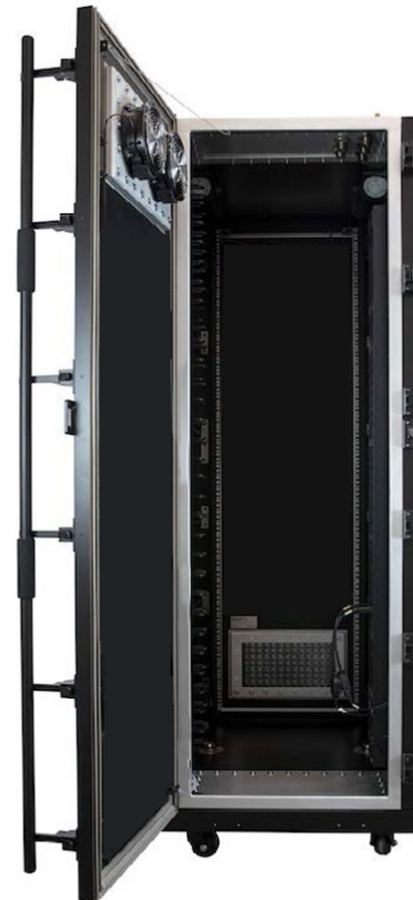


Figure 1 - DefenseShield™ Light RF Shielded Cabinet

### Cooling

2x 235 CFM fans provide 2kW+ of cooling to support dense installations

### 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
- Six (6) latches per door
- One (1) hasp lock per door
- One (1) replaceable air filters on front door

### ELECTRICAL

- Two (2) 20 AMP, 250V locking receptacles (internal)
- Two (2) 20 AMP, 250V locking plugs (external)
- Two (2) Power cords, 10 feet
- Ground bar system (optional)

### I/O PANEL

- Blank I/O panel (installed on bottom)
- Populated I/O panel
  - Installed on top
  - Two (2) SplitFORM fiber optic waveguides

### MOUNTING RAILS

- Four (4) Adjustable 19-inch square hole rails
- Rails marked with rack units

### COOLING

- 2 kW cooling with a 25° delta
- Two (2) 235 CFM fans with 60k hour L10 life expectancy

### HONEYCOMB AIR VENTS

- Ten (10) Honeycomb air vents (5 per door)
- One (1) Replaceable air filters installed on intake 60k hour L10 life expectancy

### PROVIDED ACCESSORIES

- Four (4) leveling feet
- Two (2) floor mounts
- Four (4) casters

### ATTENUATION PERFORMANCE

- 90 dB @ 1 GHz
- 85 dB @ 2.4 GHz
- 85 dB @ 5 GHz
- 85 dB @ 10 GHz

## SPECIFICATIONS

Physical	Specs
Dimensions (HxWxD)	88.74" x 26.49" x 56.97" (2254mm x 600mm x 1303mm)
Max Mounting Depth	990mm
# of RUs - Usable Space	42U
Net Weight	375 lbs or 170 kg
Weight Capacity (dynamic load)	1500 lbs (453 kg)