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

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

<table>
<thead>
<tr>
<th>Physical</th>
<th>Specs</th>
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<tbody>
<tr>
<td>Dimensions (HxWxD)</td>
<td>88.74&quot; x 26.49&quot; x 56.97&quot; (2254mm x 600mm x 1303mm)</td>
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<tr>
<td>Max Mounting Depth</td>
<td>990mm</td>
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<tr>
<td># of RUs - Usable Space</td>
<td>42U</td>
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<tr>
<td>Net Weight</td>
<td>375 lbs or 170 kg</td>
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<td>Weight Capacity (dynamic load)</td>
<td>1500 lbs (453 kg)</td>
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