Mini RF Shielded Enclosure

SKU#: ECX-RFC-484129

Provides industry-leading radio frequency (RF) shielding. Mitigates signals emanating from or interfering with electronics within the enclosure. The shielded enclosure features lightweight construction and can be directly mounted onto a 2 post rack or be held by an equipment shelf. The smaller construction of this enclosure makes it a good fit for high-density test environments. Perfect for labs, offices, and data centers.

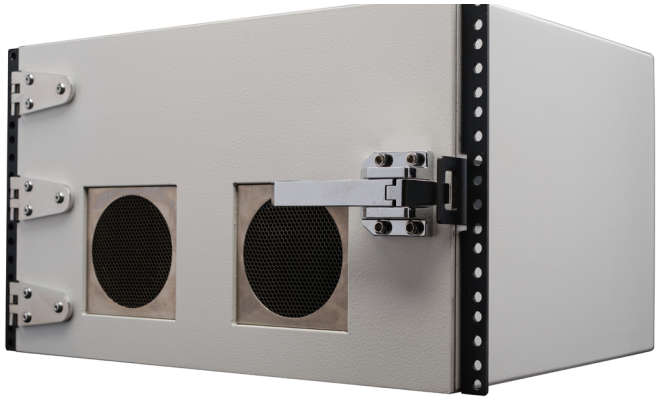

Figure 1 - Mini RF Shielded Enclosure - Front Angled View

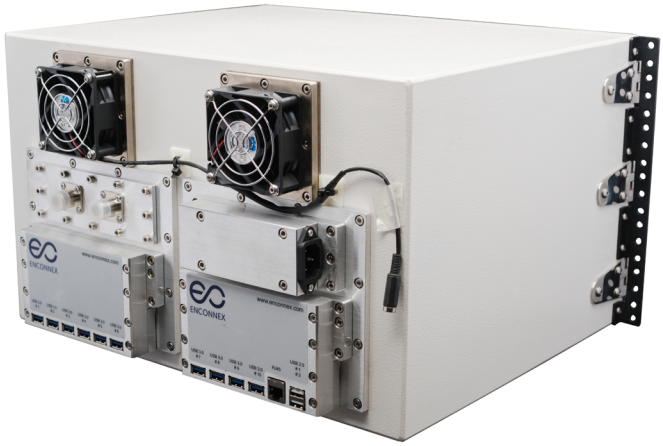

Figure 2 - Mini RF Shielded Enclosure - Rear Angled View

PRODUCT APPLICATIONS

The Mini RF Shielded Enclosure acts as a faraday cage preventing interfering signals from entering or exiting the enclosure. A number of applications require RF shielding:

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 a satellite radio antenna

KEY FEATURES

Lightweight, Rugged Construction

Rack weight does not limit installation locations

Reduced Rack Footprint

Seamless integration into office, lab, and data center layouts

Customizable I/O

Customizable I/O panels allow for signal, data, and power connectivity

PRODUCT FEATURES

Door
- One (1) front door
- Three (3) hinges
- Secure latch for tight seal

Finish
- White paint

Operating Environment
- Temperature: -10~50°C
- Humidity: 20~75%

RF Shielding Performance
- 85 dB @ 1-3GHz
- 85 dB @ 3-6GHz

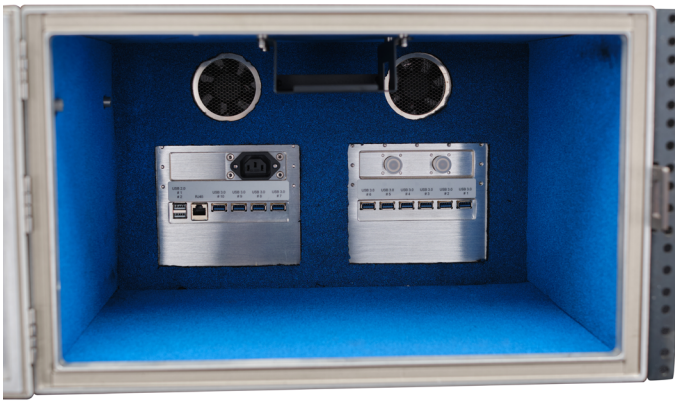

Figure 3 - Mini RF Shielded Enclosure - Inside

PHYSICAL SPECIFICATIONS

Physical	Specs
Dimensions	11.6” x 18.9” x 16.28” (293.5 x 480 x 413.5mm)
Max Mounting Depth	12.75” (323.85mm)
# of RUs - Usable Space	5U
Connectors in I/O Panel	2x N type connector 10x USB 3.0 connector 2x USB 2.0 connector 1x RJ45 connector 1x C14 connector