



EMCON 21 RU EMI Shielded Cabinet with Optional 8 RU Cabinet

EMCON's EMI Shielded cabinets provide the shielding effectiveness required by users deploying computer and networking equipment in secure environments.

The cabinets feature an easy-closing door with leveraged latching mechanism, lifting eyes and an anti-tip design.

Specifications

Construction	Aluminum/Steel
Mounting Space	21 RU
Optional	8 RU
Front mounting rails	Fixed
Rear mounting rails	Fixed, 30" spacing from front rails
Maximum Equipment Depth	32.0"
Heat Dissipation	15,000 BTU per hour Managed air flow Filtered air intake on rear Air exhaust on top
Airflow	Front to back of equipment
Accessibility	Pull out rack provides access to front and back of equipment rack
Cable Management	Internal cable management system including fibre patch panel, connector type to be specified
Environmental Monitoring System	Door Closure Temperature May be remotely monitored over Ethernet
Interfaces	
Configurations	SC, ST, LC fibre connectors
Power	2 x 30 amp @220 VAC, filtered
Fibre optic waveguide assembly	x 2 3 x 0.50 holes per waveguide Able to pass pre-terminated 'zip' cords Able to install pre-terminated multi-core cables (.5" diameter max.)

Attenuation	
E-field	Minimum 80 dB attenuation from 1 MHz to 1 GHz
Power line	Minimum 80 dB attenuation from 100 kHz to 1 GHz
Power Cords and Bars	
Cords	2 x 30 amp power cords, NEMA 6-30R plugs
Bars	2 x 20 amp power bars, 12 outlets
Dimensions (including plinth and levelers)	
	21RU
Height	144.78 cm (57.0 in.)
Width	113.03 cm (44.5 in.)
Depth	84.45 cm (33.25 in.)
Weight	204 kg (449 lb.)
Add additional 35.56 cm (14.0") for 8RU option	
Maximum Equipment Weight	455 kg (1,000 lb.) Four casters, rated 500 lb. load each Four leveling feet, rated 700lb. load each
Options	-Additional fibre optic waveguide assembly -Fibre optic cable assemblies -I/O panel to support external TEMPEST console and/or communications interfaces is an option on 8 RU cabinet (only)
Warranty	Three-year, parts and labour

EMCON's EMI cabinets are individually tested by a Certified TEMPEST Professional (CTP) for shielding effectiveness. A shielding effectiveness test report is a deliverable with every unit.

With customer-supplied equipment, these cabinets can be certified to NISTISSAM TEMPEST/1-92, Level I; CID09/15A, Level I; and SDIP-27 Level A (providing the equipment and associated systems are installed to the requirements identified in SDIP-29).

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