



High Attenuation Server Cabinet

Product Data

API Level 1 Eagle EMC Cabinet

Description

API's Eagle High Attenuation EMC Cabinets are designed for the housing of server and communication devices, for use in environments where data security is of paramount importance.

The High Attenuation Cabinets have been designed to provide a flexible housing solution for varied computing and communications equipment applications.

They are fabricated from high grade 1.5 mm steel, nickel plated and provided with a hardened powder coat finish, with a range of options to allow customization to meet precise customer requirements. The Cabinets incorporate knife-edge copper beryllium finger stock that attenuates all EMC radiation by over 80db through a frequency spectrum of 100kHz through to excess of 10GHz.

To achieve complete assurance of performance API can provide a full integration and TEMPEST certification service for your final configuration. This allows complete control and repeatability of build standard in the deployed systems.

Features

- Designed for Level 1 applications where security and performance is the primary requirement
- Scalable design offering up to 26U rack space
- Two full-access EMI front access doors
- High quality Beryllium Copper gaskets
- I/O connectors on removable top panel for easy configuration and maintenance access
- No rear or side panel penetration
- Fibre and copper network options
- Wide range of 'continuous computing' solutions; utilizing RAID or 'double-take' data protection, with Flash or Rotating Disk Drive options





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Specifications

Typical Specification for Server Cabinet

Power

High quality 3-stage mains filtration and multi-way internal PDU, UPS automated shutdown for power failure/disconnection via serial/fibre connection on rear panel, Red/Black mains separation is available as an option

Enclosure

1.5 mm welded steel; nickel plated and powder coat finish with low ambient noise fan cooling and filtration with replaceable dust filters. Integrated switchable KVM keyboard/display for dual server configuration. Removable wheeled dolly

System configuration

typically populated with two dual processor servers; Flash or conventional Disk Drives; Fibre switch for data connection; on-board health and climate monitoring options

Server

HP Server options with flash drives for operating system and data; ideally suited for Thin Client or Database applications.

Network Interfaces

Fibre Network - 100Mb/1Gb

Enclosure Access

via two front doors with multi-point cam operation clamping and release; top access panels for I/O connectivity; mains filtration and exhaust air; removable rear panels for maintenance access. Access panels can be made tamper proof for added security; and allow for customisation

Regulatory

UL, CJA, TUV, CE Compliant

EMC Attenuation

Designed to provide a minimum of 80db attenuation over the frequency range 100kHz to 10GHz Certification service is available as an option

Module Capacity 2 x 13U

Physical Specifications

Height (3U) 1,800 mm (70 inches)
Depth 830 mm (32.7 inches)
Width 580 mm (23 inches)
Weight less than 100 kg (220 lbs)
unpopulated with access panels removed (stripped for deployment)

Shipping Dimensions

Height (3U) 1,960 mm (77 inches)
Depth 1,070 mm (42 inches)
Width 740 mm (29 inches)
Weight Approx 160 kg (353 lbs)

Warranty

Three years integrity (enclosure)

Technical Specifications are subject to change without notice. U.S.A. export controls apply to these products.
E & OE - 10/20/09

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Inside I/O panel + fans



I/O customization panel



Linear cam door locking



Fully populated cabinet



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