



# 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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### 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

**Weight** - less than 100 kg (220 lbs) unpopulated with access panels removed (stripped for deployment)

**Cabinet Dimensions** - 1,800 x 830 x 580 (H x D x W mm)  
- 70 x 32.7 x 23 (H x D x W inches)

**Shipping Dimensions** - 1,960 x 1,070 x 740 (H x D x W mm)  
- 77 x 42 x 29 (H x D x W inches)

**Shipping weight** - Approx 160 kg (353 lbs)

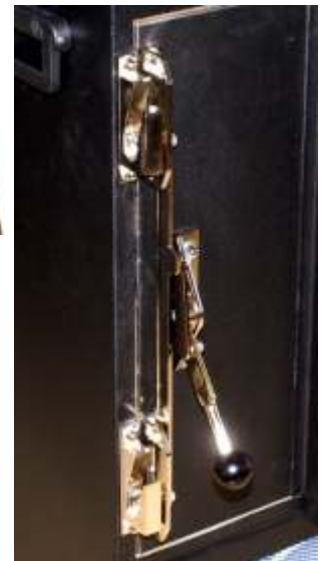
**Warranty** - Three years integrity (enclosure)



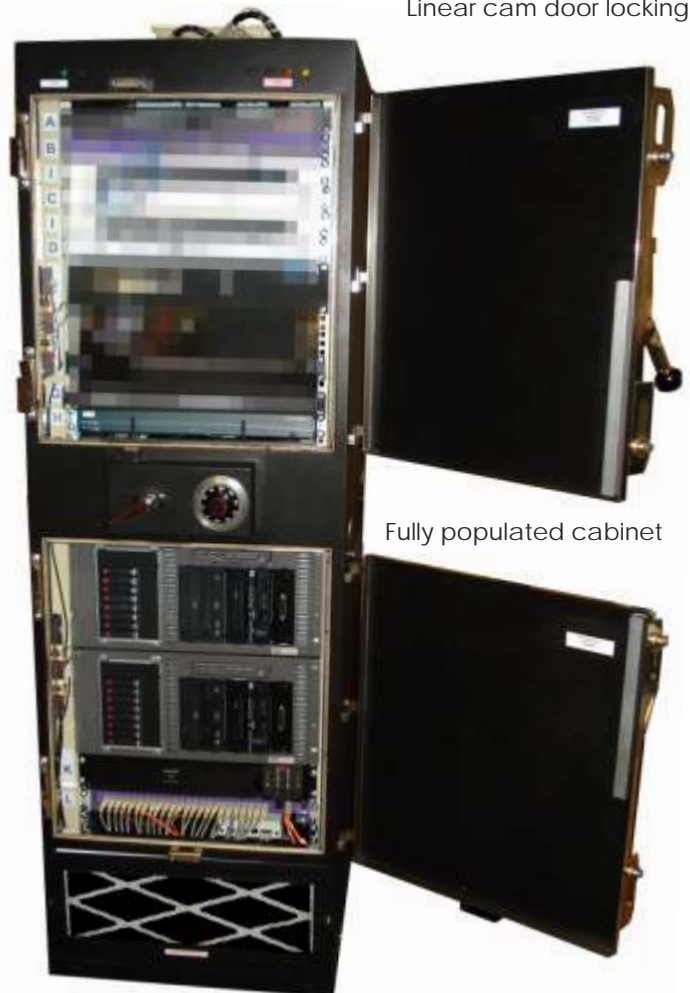
Inside I/O panel + fans



I/O customization panel



Linear cam door locking



Fully populated cabinet

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