

How much does an explosion-proof telecommunications server chassis cost



Article Overview

Explosion-proof server chassis typically range from \$2,000 to over \$10,000 depending on size, material, and certifications.

Price Ranges and Factors

The cost of an explosion-proof server chassis varies widely based on several factors:

- **Size and Capacity:** Smaller enclosures for junction boxes or low-voltage equipment are at the lower end of the price spectrum, while larger chassis designed to house multiple servers or networking equipment are significantly more expensive .
- **Material:** Stainless steel, aluminum, and polycarbonate are common materials. Stainless steel enclosures, often used in high-risk environments, are more costly due to durability and corrosion resistance .
- **Certifications:** Compliance with standards such as UL 1203, NEC 500, ATEX, and IECEx increases cost. Class I, Division 1 (C1D1) enclosures with purging systems are more expensive than Division 2 or Zone 2 enclosures .
- **Features:** Additional features like viewing windows, pressurization/purging systems, weatherproof seals, and rack mount systems add to the price .

Example Products

- **Larson Electronics EPL-ASP.X-SS-36.24.12-6U-VW-24X18:** A 6U explosion-proof network server enclosure with a 24" x 18" polycarbonate window, 304 stainless ste...

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For more information, pricing, or custom solutions, please contact us:

Website: <https://www.chromadecksigns-eastrand.co.za>

Email: sales@chromadecksigns-eastrand.co.za

Phone: +32 2 318 5792

Address: Avenue Louise 500, 1050 Brussels, Belgium

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