

# Explosion-proof type for edge data centers in Madagascar



## Summary of Content

For edge data centers in Madagascar, devices certified under ATEX Zone 2, IECEx, or Class I Division 2 (CID2) provide reliable explosion-proof protection in hazardous environments.

### Key Standards for Explosion-Proof Equipment

- ATEX (EU): Ensures equipment is safe for use in explosive atmospheres caused by gases, vapors, or dust. Devices are marked with the “Ex” symbol and classified by zones based on risk severity .
- IECEx (International): Provides globally recognized certification for electrical and electronic equipment in explosive atmospheres, facilitating cross-border compliance .
- Class I Division 2 (CID2, North America): Covers areas where flammable gases or vapors may occasionally be present, guiding equipment design and testing .

### Recommended Explosion-Proof Edge Devices

For edge data centers, especially in industrial or remote locations, intrinsically safe devices are preferred. These devices limit energy in circuits to prevent sparks or thermal ignition . Examples include:

- Industrial Gateways: Edge Computing IoT Gateways with explosion-proof housings can collect, store, and forward data from sensors and PLCs while maintaining safety in flammable environments .
- Rugged Edge Devices: Tablets and panel PCs certified for ATEX Zone 2, IECEx, and CID2 are suitable for monitoring and control in hazardous areas .

## Article Content

### Overview of Explosion Protection Techniques

When no indication on the Ex type label this default applies. When an extended range is required because of the application; it shall

### Madagascar Data Centers

We currently have 3 data centers listed, from 2 markets in Madagascar. Click on a market below, to explore its data center locations.

### Explosion-Proof & Flameproof Enclosures | EX Industries

Ex Industries offers a wide selection of sizes of hazardous area enclosures: explosion-proof enclosures and flameproof Exd

### Explosion-Proof Protection Types Explained | Ex

Quick Reference Table of Explosion-Proof Protection Types This table provides a

### MADAGASCAR DATA CENTER MARKET BRIEFING

This report is part of a series of market briefs developed by Xalam Analytics at the behest of Digital Investment Facility (DIF) under

### Types of Explosion Protection

Because these environments can vary greatly in their conditions and risks, there are different types of explosion

### ATEX Wireless Access Point Ex UAP-AC-PRO | Armadex

We offer ATEX converted Ubiquiti Unifi access points, suitable for ATEX zone 2 (gas explosive atmospheres) and ATEX zone 22

### Explosion Proof Electrical Equipment | Supermec

We offer a wide range of explosion-proof electrical equipment from safety to cost benefits, as well as the different types of explosion

### Explosion-Proof Protection Types Explained | Ex Markings & Standards

Quick Reference Table of Explosion-Proof Protection Types This table provides a comprehensive overview of the five

### Explosion Proof Grade: Do You Know the Classification Standard?

This article delves into the classification standards of explosion-proof equipment, explaining the different hazard

### Explosion-Protected Computer

Advantech's UNO-410 and UNO-430 EXP are industrial-grade data gateways with UL listed C1D2, ATEX, and IECEx certification,

## Contact Us

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