

Z-Controller EX

S3135-H400 (LAN)

S3135-H410 (WLAN)

ZOMOFI® - zone monitoring & find



Overview

The ZOMOFI® – zone monitoring & find – product family makes zone monitoring and asset tracking in buildings, warehouses, airports, on exterior premises and vehicles possible. The powerful active RFID technology consists of Tags, Controllers and accessories.

Functions and features

The 2.45 GHz Active RFID Controller is used in systems that integrate the Active Tags family ZOMOFI®. It is built around innovative CMOS circuits with very high density of integration. This technological breakthrough makes a low cost and a size-constrained design possible.

The controller can be fitted with EX certified antenna, like on the picture, for an up to 160 m communication range.

In its basic configuration the anti-collision rate is in the range of 80 to 100 Tags per second – patent pending. One single Controller can operate at least one thousand Tags. Several topologies are available – from simple star networks to complex clusters – for operation in all IT environments, up to 1000 Controllers per system.

A software demo application is available together with the full command set description. The firmware of the Controller is expandable in order to protect the customer's investment.

Health and safety is a major consideration. The Active Tag Controller is believed and certified to be totally harmless to any adjacent electronic equipment.

The ATEX EX certified controller can be placed in gas zones 1 and 2 as well as in combustible dustzones 21 and 22.

Two versions ready for ATEX EX certificate

The Controller EX is available in two versions – one with the LAN interface and the other with the WiFi interface and antenna. Both are built into the robust indoor/outdoor case together with outdoor power supply and special EX connectors for power, antenna and LAN.

The housing guarantees protection to strong splash water and dust and allows being mounted on several ways on any surface.



Image: specially tailored ATEX EX connectors for power and LAN

Applications

Asset Tracking & Supply Chain

- Logistics
- Defense
- Airports / Ports
- Transport (Train/Trucks)
- Automotive
- Hospitals

People Safety

- Oil & Gas
- Hospital / Care Homes
- Mining and Milling

Further more applications

- Access Control (long range)
- Intrusion Detection for Security
- Cold Chain

Ordering Numbers

Z-Controller EX (LAN) S3135-H400
 Z-Controller EX (WiFi) S3135-H410

Direct Contact

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Technical data

ATEX	Ex II 2 G Ex d IIC T4 Ex II 2 G Ex tD A21 IP66 T80° C
Dimensions (L x W x H)	255 x 400 x 156 mm
Power	230 VAC outdoor accredited, excess voltage category II
Frequency Band	2.400 GHz ~ 2.483 GHz worldwide unlicensed ISM band
Temperature	Operating -20°C ~ 60°C Storage -25°C ~ 65°C
Safety	EN 60950-1 EN 50371
EMC	EN 301 489-3 V1.4.1 EN 301 489-17 V2.1.1 EN 55022 + A1 EN 55024 + A1 + A2 EN 61000-6-2
Radio	EN 300 440-2 V1.1.2 EN 300 328 V1.6.1
Housing metal	IP66