

# ATEX Ethernet



## P-Ex 1000 Series Switches and Media Converters

P-Ex 1002MC, P-Ex 1003GX2 and P-Ex 1005TX ethernet switches and media converters are used as stationary devices in environments with a risk of explosion of group I or II. They are used for the transmission of optical or electronic data signals with a maximum bandwidth of 1 Gbit/s. The product is available in two different models, with an aluminum housing for use in Zone 1, 21 and with a non-sparking stainless steel housing for use in the M2 area.

### Key features

- Installation in ATEX Zone 1, Zone 21 and also M2
- No need for any further protective enclosure
- Easy connection to other devices
- Operating temperature -40°C to +80°C
- Optical fiber ports are compatible (EN 60079-28)
- Optical fiber connections can reach up to 10 km
- In ATEX zones optical fiber topology ring

### Explosion protection (e.g. P-Ex 1002MC)

- Mineral extraction industry M2:
- I M2(M1) Ex eb qb [op is] I
- Gas Zone 1:
- II 2(1)G Ex eb qb [op is] IIC T4
- Dust Zone 21:
- II 2(1)D Ex [op is] IIIC T135°C IP64

### Full description of the ATEX Ethernet solution for Zone 1

- opis optika
- optika
- měď

