

# ATEX Ethernet



## P-Ex 1000 Series Switches and Media Converters

The P-Ex 1002MC, P-Ex 1003GX2 and P-Ex 1005TX Ethernet switches and media converters are used as stationary devices in potentially explosive atmospheres of device Groups I and II. They are used to transfer optical or electrical data signals with a maximum bandwidth of 1 Gbit/s. The products are available in two different models, with aluminum housing for use in Zone 1 and 21 and the stainless steel housing for use in the mining area M2 or in harsh environments like offshore or chemical industry.

### Key Features

- Installation in ATEX Zone 1 and Zone 21 as well as M2
- No additional protective housing needed
- Connect additional devices easily
- Operating temperature -40°C to +80°C
- All fiber optic ports are op is compliant (EN 60079-28)
- op is fiber optic connections up to 10 km
- Built fiber optic ring topologies in ATEX zones

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

Mining M2:

Ⓜ I M2 (M1) Ex eb qb [op is] I

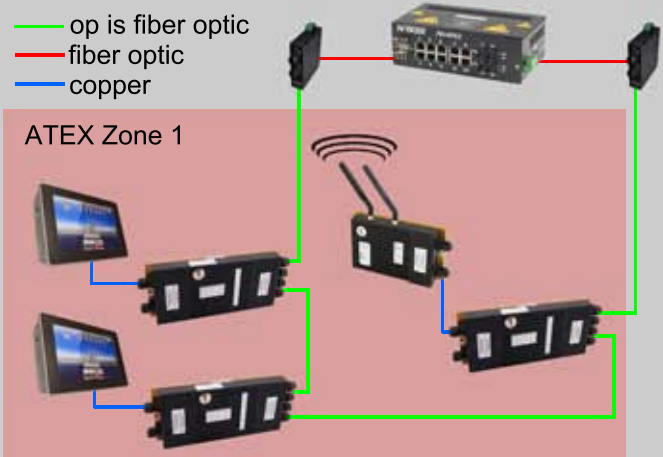
Gas Zone 1:

Ⓜ II 2(1)G Ex eb qb [op is] IIC T4

Dust Zone 21:

Ⓜ II 2(1)D Ex tb [op is] IIIC T135°C IP64

### Fully op is compliant ATEX Ethernet for Zone 1



**ExLoc Instruments**

sales@exloc.com  
+1 54 04 28 30 88

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www.exloc.com