

P-Ex 1002MC

Explosion Protection

Device Groups / Application Areas:

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

Regulatory Approval:

IBExU 11ATEX1058

Specifications

Base Unit:

N-TRON 1002MC

Network:

Unmanaged Operation

IEEE 802.3, 3u, 3z and 3ab compliant

One 10/100/1000BaseT Port and

One 1000BaseSX Multimode Fiber Port,
ST-Connector

Full/Half Duplex Operation

Up to 2 Gbit/s Throughput

Autosensing

Supports up to 1.024 MAC-Addresses

Store-and-forward Technology

LED Link/Activity Status Indication

Environmental:

-40°C to +80°C

Reliability:

MTBF >2 Million hours

Input Voltages:

DC: 10-30V DC, redundant

AC: 90-253V AC

Connectors:

1 x Gigabit TX

1 x Gigabit Fiber Port, ST Connector

1 x Power

Dimensions: (Height x Width x Depth)

140 mm x 380 mm x 56 mm

Weight:

4,5 kg for Zone 1,21; 7,2 kg for Zone M2

Environment IP Rating (EN60529):

IP 64



Gigabit Ethernet Media Converter

Highlights:

- Direct installation in ATEX Zone 1 or 21, and M2
- No additional ex-proof housing required
- No additional power supply required
- Installation and changes of connections can be done easily
- Fully functionality of the base product
- 5 Port Gigabit Switch and 3 Port TX/FX Switch are also available with identical housing

Order Nr.	Description:	For Use in:
P-Ex 1002MC-DC-A	1 Gigabit Copper Port, 1 Fiber Port (ST) 24V DC	ATEX Zone 1, 21 Aluminium Housing
P-Ex 1002MC-AC-A	1 Gigabit Copper Port, 1 Fiber Port (ST) 230V AC	ATEX Zone 1, 21 Aluminium Housing
P-Ex 1002MC-DC-S	1 Gigabit Copper Port, 1 Fiber Port (ST) 24V DC	Mining M2 Stainless Steel Housing
P-Ex 1002MC-AC-S	1 Gigabit Copper Port, 1 Fiber Port (ST) 230V AC	Mining M2 Stainless Steel Housing