

# MOX IONITY Field Controller

## PRODUCT INTRODUCTION

**MOX IONITY is a leading IECEx certified controller that delivers enhanced capabilities for use in SCADA, telemetry and remote data monitoring applications in explosive atmospheres.**

### Functional Overview

The MOX IONITY is a modular controller solution consisting of a processor module, a power supply module and any combination of suitable input and output modules. With a design based on the proven MOX IoNix and MX603 products, the MOX IONITY delivers the same flexible, modular architecture to explosive environments.

### Application

Cascade any MOX 603 I/O module directly to the backplane for a compact monitoring and control solution. Onboard communication ports provide connectivity to remote I/O, HMI/SCADA systems, and other interface devices.

The built-in mix of DI and DO channels are designed to match the requirements of compact project installations. For larger installations, a MOX IONITY controller will efficiently communicate and control a maximum of 10 interconnected MOX603 I/O modules.

Sufficient power must be supplied to the rack base MX603-9001 PSU to power all, interconnected I/O modules. An external 24VDC power supply rated to 50W (or higher) is recommended.



## Features

Powerful 400MHz Processor

64MB RAM

128MB Flash Memory for program and data storage

High speed 10/100Mbps Ethernet port

Built-in DI, DO Channels

Modular design cascades directly with MOX 603 I/O

Integrated and transportable IEC61131 software

Certified as non-sparking for use in explosive atmospheres to Ex nA II T4 Gc



The MOX IONITY packs a powerful 400MHz processor, 64MB RAM and numerous communications options into a compact and modular package.



The MOX IONITY Field Controller delivers 400MHz processing power for compact monitoring and control solutions.

## Features

- Powerful 400MHz Processor
- 64 MB RAM
- 128MB Flash Memory for program and data storage
- Built-in DI, DO Channels
- High speed 10/100Mbps Ethernet
- Modular design cascades directly with MOX 603 I/O
- Supports redundancy
- Integrated and transportable IEC61131 software

## Ordering Information

MOX 606 IONITY	Main Feature	Part Number
MOX 606 IONITY CPU-01 Module	2 x RS232, 2 x RS485, 1 x 10/100 Mbps Ethernet, 6xDI, 2xDO	<b>MX606-5002-01</b>
MOX 606 IONITY CPU-02 Module	2 x RS232, 2 x RS485, 2 x 10/100 Mbps Ethernet, 6xDI, 2xDO	<b>MX606-5002-02</b>
MOX 603 PSU Module 24VDC	Power Supply Required for CPU and Rack Based I/O	<b>MX603-9001</b>

IONITY Base Units	Main Feature	Part Number
CPU Base [For MX606-5002-01]	Dual Base for MX603-9001 PSU Module and CPU-01 Module	<b>MX606-5102</b>
CPU Base [For MX606-5002-02]	Dual Base for MX603-9001 PSU Module and CPU-02 Module	<b>MX606-5103</b>

