

# MX606 IoNix Field Controller

## PRODUCT INTRODUCTION

The MOX IoNix Field Controller is a compact and feature-rich controller designed for remote area installations or small distributed control solutions.

### Functional Overview

With built in compatibility to the MOX 601 Open Controller and MOX 602 Field Controller families, and with seamless integration to the MOX 603 Modular I/O range, the MOX IoNix Field Controller completes the entire range of Intelligent Automation products designed and manufactured by MOX Products.

The MOX IoNix Field Controller delivers 400MHz processing power for remote area installations or small distributed control solutions.

### 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 device.

The built-in mix of DI and DO channels are designed to match the requirements of compact project installations. A MOX IoNix Field Controller will efficiently communicate and control up to 10 interconnected MOX603 I/O modules fitted to the backplane, and even larger systems can be controlled using MOX603 modules as remote I/O.

Sufficient power must be supplied to the rack base MX603-4001 PSU to power all interconnected I/O modules. An external 24VDC power supply rated to 50W (or higher) is recommended. Redundant systems can be deployed by selecting the MX606-3002-02 controller with dual Ethernet ports.



## 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

True Redundancy supported at multiple levels

Certified model available as non-sparking for use in explosive atmospheres to IECEx nA II T4 Gc



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



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- 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

### Redundancy Architecture Example

