



MX602 Unity Field Controller

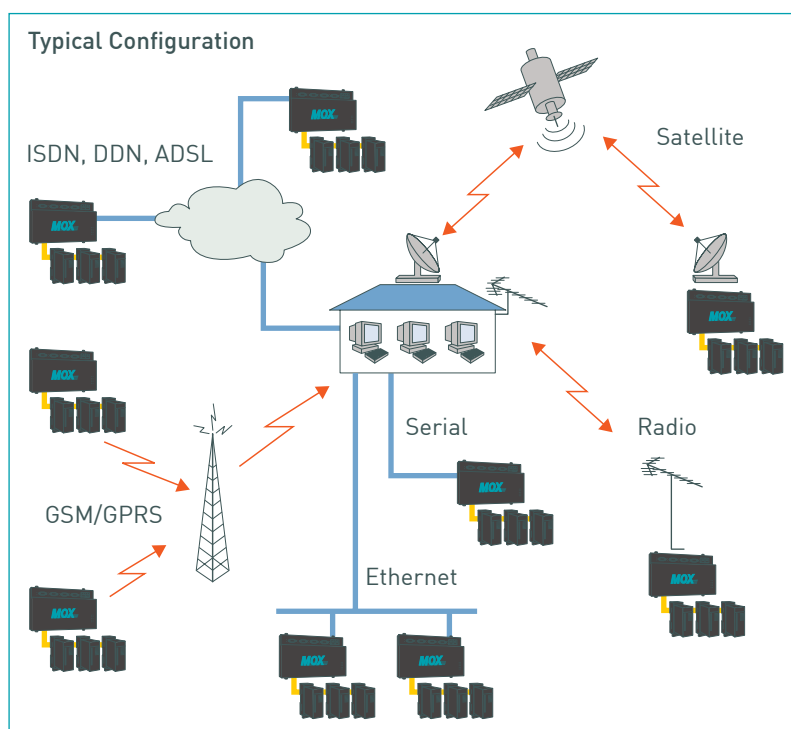
PRODUCT INTRODUCTION

The MOX Unity Field Controller is a powerful controller designed for modern SCADA applications where control and information management are intensive.

With the correct choice of communications architecture and protocol, such as DNP3 or IEC60870, the MOX Unity will work hand in hand with your SCADA software to successfully capture, analyze and manage greater volumes of field data.

A typical MOX Unity station consists of the Controller fitted with user-selected onboard I/O modules. Onboard UPS (with external battery), GSM/GPRS and Video Capture modules are also available. Additional external I/O can easily be added to the Unity by using MX603 I/O modules in either standalone or remote rack format.

Redundant systems can be deployed by selecting MOX Unity controllers that have multiple Ethernet ports on each.



Features

Modularity with your choice of onboard I/O

Open and Transportable IEC 61131-3 Control Software

True Redundancy supported at multiple levels

Expandable with up to three Ethernet, four RS485 ports and two RS232 ports

Integrated diagnostics

Standard Serial and TCP/IP Communications

GPRS option

Supports Modbus, DNP3.0 and IEC60870-5-101/4

Powerful 400MHz processor

64MB of DDR RAM with 128MB of Flash

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



The MOX Unity is delivered with your choice of onboard I/O plus options such as GSM/GPRS, integrated UPS and video capture.



The MOX Unity is designed with industry standards in mind and from the best available technology.

Component are high grade industrial specification to allow for extreme environmental conditions, giving the system operational capability in almost any location.

A wide variety of advanced communications options exist today for use in any new industrial system. The MOX Unity has been designed to take advantage of open systems and industry recognized protocols. Whether you require radio, GSM, GPRS, CDMA, ISDN or, DDN or whether you require an Ethernet, Serial or leading edge fieldbus solution, the MOX Unity system has an option ready to go.

Applications

- Water and Waste Water Distribution
- Oil & Gas Distribution
- Building Automation
- Electricity Transmission
- Electricity Distribution
- Transport
- Mobile Machine Control

Ordering Information

MOX Unity Field Controllers	Main Feature	Part Number
MOX Unity 5021	2x Serial RS232 Ports, 1x Ethernet, 64MB DDR RAM, 128MB Flash RAM, ARM 400MHz CPU	MX602-5021- ... -
MOX Unity 5201	2x Serial RS485 Ports, 1x Ethernet, 64MB DDR RAM, 128MB Flash RAM, ARM 400MHz CPU	MX602-5201- ... -
MOX Unity 5223	2x Serial RS485, 2x Serial RS232 Ports, 3x Ethernet, 64MB DDR RAM, 128MB Flash RAM, ARM 400MHz CPU	MX602-5223- ... -
MOX Unity 5423	4x Serial RS485, 2x Serial RS232 Ports, 3x Ethernet, 64MB DDR RAM, 128MB Flash RAM, ARM 400MHz CPU	MX602-5423- ... -
MOX Unity, Feature Options	Main Feature	Part Number
GSM/GPRS Module	For Wireless Multipoint Communications (Dual-band EGSM900 and GSM1800)	add -100
Video Capture Module	Streaming video capture	add -010
UPS Module	Power Management Module including UPS Battery Charger	add -001

