



## › MP210 SERIES

**Equinox**<sup>™</sup>

# Programmable Logic Controller (PLC) › MP210 Series

MP200 PLC Series provide fast, stable and cost effective solutions to your industrial automation requirements. You can develop complex logical applications by using its FBD programming interface. It also provides optimum solutions with integrated digital, analog and temperature inputs/outputs.

### Overview

Supply: Protected Power: <5W  
CPU Freq.: 16 MHZ  
Real-time Clock

### Control Features

Cycle Time < 0.17 ms/Cycle  
Program Memory: 4MBit FLASH  
Block Capacity: 1500  
Non-volatile Memory : 4kByte SRAM  
Log Record Memory: 128kByte Data/Event Record

### Fast and Easy Programming

IEC 61131-3 Standard Instructions  
Function Block Diagram(FBD) Programmable Easy  
Programming via Integrated USB Connection Point  
Macro Definition and Scripting Feature  
Online Monitoring Offline Simulation  
Remote Firmware Update  
Remote Project Loading

### Distributed Communication

Ability to Run in Master and Slave  
Simultaneously MODBUS Gateway Mode  
4 Different Socket over GPRS 8  
Different sockets over Ethernet

### GSM

GPRS, MODBUS TCP, Quad-Band 850 / 900 / 1800 / 1900 MHz  
SMS Receive, SMS Send Accept  
Calls, Make Calls

### Ethernet

100 Mbit, MODBUS TCP

### Wi-Fi

Integrated Wi-Fi Modem, MODBUS TCP - IEEE 802.11 b/g/n Compatible

### Serial Port

RS232/RS485, MODBUS RTU  
3 kV ESD Protection

### Analog Controls

PID and Auto-Tuning Feature  
Hysteresis and ON/OFF Time Counter Control  
Analog (Float) Mathematical Operations

### Time Control Applications

Weekly and Annual Timers  
Astronomical Time Relay  
Floating Motor Functions  
Synchronous Aging Blocks  
Diagnostic System Blocks

### Machine Control Applications

Fast Counter Inputs (Max 50 kHz)  
Pulse Modulation Output(PWM – 200 kHz)  
Pulse Train Output(PTO – 50 kHz)

# Programmable Logic Controller (PLC) MP210Series

## Expansion Capability

Max. 640 Digital I/O ( 256 Digital Inputs, 256 Digital Outputs, 128 Relay Outputs )  
 Max. 96 Analog I/O ( 32 Analog Inputs, 32 RTD (PT100 – PT1000 - NTC) Inputs, 32 Analog Outputs )

## Display


2x16 LCD Character Display

## Environmental Conditions

Operating Temperature: -20 / +60 C  
 Storage Temperature: -40 / +85 C  
 Hum.: 5..95 RH

Hum.: 5..95 RH  
 Operating Altitude: <2000m


### MP210 SERIES

	Product	Optional Interface	RS485 / RS232	DO	DI	AI	AO	Relay	RTD
	MP211	.	1/1	8	16	4	2	4	2
	MP211E	Ethernet	1/1	8	16	4	2	4	2
	MP211L	LCD	1/1	8	16	4	2	4	2
	MP211EL	Ethernet + LCD	1/1	8	16	4	2	4	2
	MP211G	GSM	1/1	8	16	4	2	4	2
	MP211EG	Ethernet + GSM	1/1	8	16	4	2	4	2
	MP211GL	GSM+LCD	1/1	8	16	4	2	4	2
	MP211W	Wi-Fi	1/1	8	16	4	2	4	2
	MP211EGL	Ethernet+GSM LCD	1/1	8	16	4	2	4	2

### XIO211 Expansion Modules

XIO211 Series extension modules offer the possibility to expand for MP211 Series PLCs

### XIO110 EXPANSION MODULES

	Product	DI	DO	AI*	AO*	Resistance Temperature (RTD)**	Relay
	XIO211.DI16	16	.	.	.	.	.
	XIO211.DO16	.	16	.	.	.	.
	XIO211.AI8	.	.	8	.	.	.
	XIO211.AO8	.	.	.	8	.	.
	XIO211.P6	.	.	.	.	6	.
	XIO211.R8	.	.	.	.	.	8



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