

► Programmable Logic Control

MIKRODEV®

Akıllı Kontrolde Teknoloji Devi

PLC

Cost Effective

48 Analog I/O Expansion

MODBUS Support

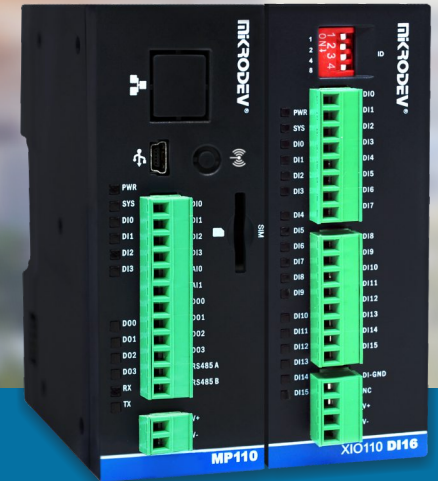
Fast & Easy Programming With Function Blocks

128 Digital I/O Expansion

Standard USB Cable

MP110 Series

Micro Control Level Systems



► Fast and Easy Programming

- IEC 61131-3 standard instructions
- Drag and drop programming with Function block diagram (FBD)
- Online viewing and real-time monitoring/controlling of process data
- Offline simulation
- Programming with standard USB cable
- Remote firmware upgrade
- Axis control, PID, ON-OFF Control, Co-aging, HVAC and various pre-built Blocks Library

► Maximum Connection Count

- Modbus TCP Slave, unique TCP Server Socket count: 1
- Modbus TCP Slave, Client count to be serviced per 1 TCP Server Socket : 2

► Retentivity

- Protecting the last values of process data in case of power cut
- Retentive Memory Capacity: 1000 Blocks/RegisterType

► CPU Features

- Processor Architecture : ARM Cortex M4
- Memory Bit Count: 500
- Memory 16-bit Word Count: 500
- Memory 32-bit Float Count: 250
- Memory 32-bit Long Count: 100

► Integrated Communication Ports

- 1 port RS485, 3 kV ESD protection, Galvanic Isolation
- 1 port mini USB Type B

► Position Control Functions

- 4 channels Fast Counter input (Max. 30 kHz)
- 4 channels Pulse Width Modulation output (PWM – 20 kHz)
- 4 channels Pulse Train output (PTO – 20 kHz)

► Supply

- Supply Voltage: 10 36 VDC
- Supply Current: 50 mA @ 24 VDC

► Extension Capability

- 128 Digital IO (64 DI, 64 DO)
- 48 Analog IO (16 AI, 16 RTD Input, 16 AQ)

► Communication Protocols

- Master Communication Protocols: MODBUS RTU
- Slave Communication Protocols: MODBUS RTU

► Real Time Clock and Calendar

- Integrated real-time clock
- RTC battery: CR2032 Lithium, battery life: 4 years
- Battery status/level reading functions
- Time keeping period 2 years @ 25 °C
- Hour shift: 60 seconds / Month @ 25 °C

► Environmental Conditions

- Operating Temperature : -20 / +60
- C Storing Temperature : -25 / +70 C
- Humidity : 5..95 RH
- IP20
- Operating Altitude: 0...2000 m