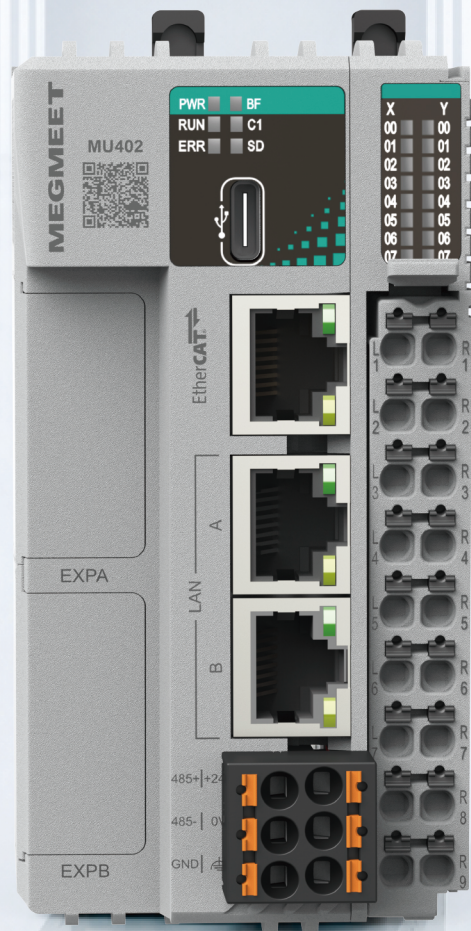


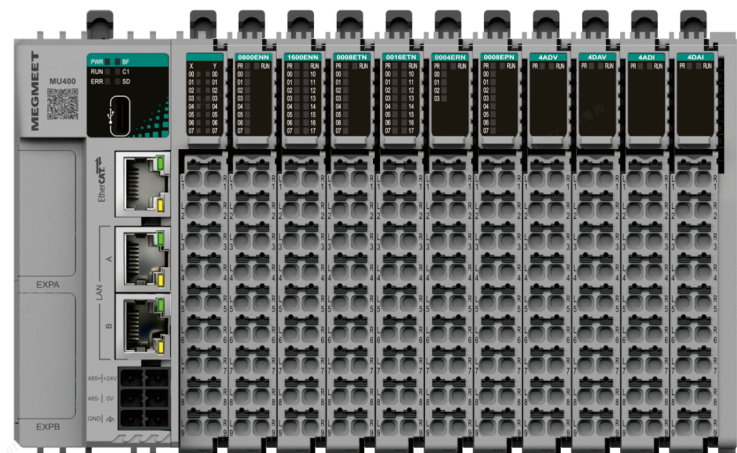
# MU400

## Series Small PLC



# MU400 Series Small PLC

The MU400 Series is a new-generation compact PLC module developed by MEGMEET based on the mOPAX platform, providing efficient and flexible machine control for a wide range of automation applications. Compliant with the IEC 61131-3 standard, it supports six programming languages: LD, ST, SFC, CFC, FBD, and IL. Measuring just 12 mm thick and supporting up to 16 expansion modules, it enables flexible system configuration while optimizing cabinet space. The MU400 Series also simplifies installation and maintenance, making it ideal for standalone machine control and large-scale distributed I/O control applications across industries such as logistics, automotive, electronics, packaging, and consumer goods.



## Key Features

- Supports up to 16 expansion modules
- Built-in 2 expansion card slots, supporting AD / DA / DI / DO / CAN / RS232 / RS485
- 1ms/4-axis synchronization, with microsecond-level response
- Built-in EtherCAT master, supporting up to 8 axes
- 4-axis 200 kHz high-speed pulse input and 4-axis 200 kHz high-speed pulse output
- Supports multiple pulse modes, including Pulse, Pulse + Direction, AB Phase, and CW/CCW
- 12 mm design for easy installation
- Push-in terminals for tool-free wiring
- Removable terminals for quick module replacement

## Main Module

| Model | Description                                                                     | Dimensions (W × H × D)  |
|-------|---------------------------------------------------------------------------------|-------------------------|
| MU401 | 8-point 24 VDC input, 8-point transistor output – 4-axis bus axis, 4 pulse axis | 53.6mm x 103.7mm x 80mm |
| MU402 | 8-point 24 VDC input, 8-point transistor output – 8-axis bus axis, 4 pulse axis |                         |

## Expansion Modules (Compatible with MU400 Series Main Modules / MR400 Series Remote I/O Modules)

| Model         | Description                      | Dimensions (W × H × D)  |
|---------------|----------------------------------|-------------------------|
| MR400-4ADI    | 4-Channel Current Input          | 15.5mm x 103.7mm x 80mm |
| MR400-4ADV    | 4-Channel Voltage Input          |                         |
| MR400-4DAI    | 4-Channel Current Output         |                         |
| MR400-4DAV    | 4-Channel Voltage Output         |                         |
| MR400-0004ERN | 4-Channel Relay Output           |                         |
| MR400-0008EPN | 8-Channel PNP Transistor Output  |                         |
| MR400-0008ETN | 8-Channel NPN Transistor Output  |                         |
| MR400-0016EPN | 16-Channel PNP Transistor Output |                         |
| MR400-0016ETN | 16-Channel NPN Transistor Output |                         |
| MR400-0800ENN | 8-Channel Digital Input          |                         |
| MR400-1600ENN | 16-Channel Digital Input         |                         |
| MR400-P2000   | Power Relay Module               |                         |

## Expansion Cards (Compatible with MU400 Series Main Modules )

| Model      | Description                                            | Dimensions (W × H × D)   |
|------------|--------------------------------------------------------|--------------------------|
| ME4-4X     | 4-Channel Digital Input                                | 21.9mm x 32.7mm x 57.6mm |
| ME4-4Y     | 4-Channel NPN Digital Output                           |                          |
| ME4-4XY    | 2-Channel Digital Input / 2-Channel NPN Digital Output |                          |
| ME4-2AD    | 2-Channel Analog Input                                 |                          |
| ME4-2DA    | 2-Channel Analog Output                                |                          |
| ME4-RS485  | 1-Channel RS485 Communication                          |                          |
| ME4-RS232  | 1-Channel RS232 Communication                          |                          |
| ME4-CAN    | 1-Channel CAN Communication                            |                          |
| ME4-2RS485 | 2-Channel RS485 Communication                          |                          |

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