

# CONTROL SYSTEM SELECTION BROCHURE

- PLC
- Thermostat
- HMI



Power Solutions

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Industry Automation

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New Energy Solutions

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Home Appliance Control Solutions

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Precision Connection

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SHENZHEN MEGMEET ELECTRICAL CO., LTD.

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Q Megmeet



# MEGMEET

Shenzhen Megmeet Electrical Co., Ltd.(Stock Code:002851) is a one-stop solution provider for the R&D,

electronics and automatic control echnology. Company's main business covers six parts: power supply products, industrial automation, new energy vehicle& rail transit, intelligent equipment, smart appliance electronic control and precision connection.

Our company has established a strong platform of R&D, manufacturing, marketing and service with more than 2800 R&D personnel and a total of more than 7800 employees. We have established R&D centers in Shenzhen City, Changsha City, Xi'an City, Wuhan City, Zhuzhou City, Hangzhou City, Taizhou City and Chengdu City; overseas research institutes in the United States, Germany, and Sweden; manufacturing centers in Zhuzhou City, Dongguan City, Heyuan City, Taizhou City, and Yiwu City; overseas factories in Thailand and India; overseas marketing station in the United States, Japan, Korea, Southeast Asia, India, Germany, Poland, Romania, Turkey, Sweden to provide quality service resources.

control and energy saving.



# Contents

## Medium PLC

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MC5000

## Small PLC

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MC200  
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## MC700 Series Motion Controller

15      MC700 Series Motion Controller

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## MLINK

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## Intelligent Temperature Controller

18/19      MTC/MTCW/MTCV/MTCE/MDT/MQT Series

## Cable List

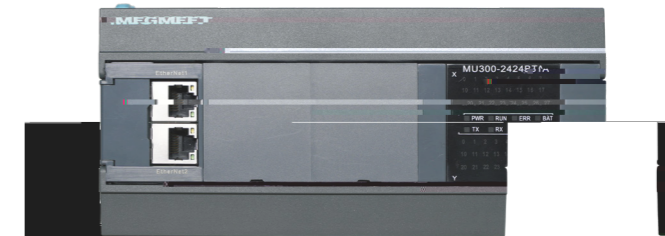
20      Cable List

## HMI

21/22      MZ800 Series



## MU300 Series Small PLC



### EtherCAT Control

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### Excellent performance for precise control

- significantly improved based on ARM+FPGA
- Support 8-channel 200K high-speed pulse output and single-phase pulse count, or 4-channel 100K AB-phase, CW/CCW, pulse+direction
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### Basic Module (AC Power)

## MU200 Series Small PLC

MU200 new generation of small PLC uses ARM+FPGA dual-core processor for the powerful processing function,



### Product Feature

#### Networking based on multi-communication

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#### Excellent performance for precise control

- significantly improved based on ARM+FPGA
- Support up to 12-channel 200K high-speed pulse output
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#### Flexible expansion

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- Convenient hardware configuration
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### Basic Module (AC Power)

Model	Description	Dimensions(mm) LxWxH
MU200-4040BTA	40-point DC24V input, 40-point transistor output	246x90x85
MU200-4040BRA	40-point DC24V input, 40-point relay output	
MU200-3232BTA	32-point DC24V input, 32-point transistor output	210x90x85
MU200-3232BRA	32-point DC24V input, 32-point relay output	
MU200-2424BTA	24-point DC24V input, 24-point transistor output	180x90x85
MU200-2424BRA	24-point DC24V input, 24-point relay output	
MU200-1616BTA	16-point DC24V input, 16-point transistor output	145x90x85
MU200-1616BRA	16-point DC24V input, 16-point relay output	

### IO Expansion Module Applicable to the basic modules of MU300/MU200 series PLC

Model	Description	Dimensions(mm) LxWxH
MU200-0016ERN	16-point relay output	60x90x85
MU200-0016ETN	16-point transistor output	
MU200-1600ENN	16-point input	
MU200-0808ERN	8-point DC24V input, 8-point relay output	
MU200-0808ETN	8-point DC24V input, 8-point transistor output	

### Special Function Module Applicable to the basic modules of MU300/MU200 series PLC

Model	Description	Dimensions(mm) LxWxH
MU200-4AD	4-channel analog quantity input	60x90x85
MU200-8AD	8-channel analog quantity input	
MU200-4DA	4-channel analog quantity output	
MU200-8TC	8-channel thermocouple	
MU200-4PT	4-channel thermal resistance	

### Expansion Card Applicable to the basic modules of MU300/MU200 series PLC

Model	Description	Dimensions(mm) LxWxH
MUE-4X	4-point input	38x46.4x11.5
MUE-4Y	4-point output	
MUE-4XY	2-point input and 2-point output	
MUE-2AD	2-channel analog quantity input	
MUE-2DA	2-channel analog quantity output	
MUE-2AM	1-channel analog quantity input and 1-channel analog quantity output	
MUE-RS232	RS232 communication	
MUE-RS485	RS485 communication	
MUE-CAN	CAN communication	

Basic Module



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## MC200 Series Small PLC



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### High stability and reliability

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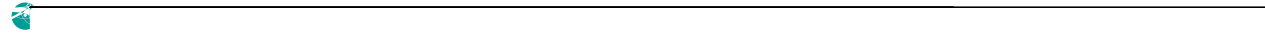
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### Reliable program security

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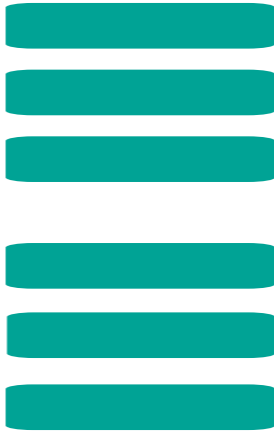
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### MC5000S Series Remote I/O Module



meet the diversified choices of customers.



Digital quantity, analog quantity, temperature and other modules can be configured randomly

# Intelligent Temperature Controller



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## Model

Model	Temperature detection channel	Temperature control output type	Alarm output type	Input type
<b>MTC Series</b>				
MTC-04-NT	4-CH	Transistor (4-CH)	Flag bit	TC, RTD
MTC-08-NT	8-CH	Transistor (8-CH)	Flag bit	TC, RTD
MTC-04-NTT	4-CH	Transistor (4-CH)	Transistor (8-CH), ag bit	TC, RTD
MTC-04-NTR	4-CH	Transistor (4-CH) Relay (4-CH)	Relay (8-CH), ag bit	TC, RTD
MTC-04-NVT	4-CH	Transistor (4-CH) Current(8-CH 0-20mA or 4-20mA) Voltage(8-CH 0-1V 0-5V 0-10V or 1-5V)	Transistor (4-CH)	TC, RTD
<b>MTCW Series(Ethernet, 2-channel RS485)</b>				
MTCW-04-NTT	4-CH	Transistor(4-CH)	Transistor(4-CH), ag bit	TC, RTD
MTCW-04-NI	4-CH	Current(4-CH 0-20mA or 4-20mA)	Flag bit	TC, RTD
MTCW-04-NV	4-CH	Voltage(4-CH 0-1V 0-5V 0-10V or 1-5V)	Flag bit	TC, RTD
MTCW-08-NN	8-CH	None	Flag bit	TC, RTD
MTCW-08-NI	8-CH	Current(8-CH 0-20mA or 4-20mA)	Flag bit	TC, RTD
MTCW-08-NV	8-CH	Voltage(8-CH 0-1V 0-5V 0-10V or 1-5V)	Flag bit	TC, RTD
MTCW-08-NTT	8-CH	Transistor(8-CH)	Transistor(8-CH), ag bit	TC, RTD
MTCW-12-NT	12-CH	Transistor(12-CH)	Flag bit	TC, RTD
MTCW-16-NN	16-CH	None	Flag bit	TC, RTD
MTCW-08-CT	8-CH	Transistor(8-CH)	Flag bit	Current transformer detection(8-CH) TC, RTD
MTCW-08-NTD	8-CH	Transistor(8-CH heating & cooling)	None	TC, RTD
<b>MTCV Series (Sampling channel isolation No Ethernet 1-CH RS485)</b>				
MTCV-16-NT	16-CH	Transistor (16-CH)	Flag bit	TC
MTCV-08-NT	8-CH	Transistor (8-CH)	Flag bit	TC
<b>MDT Series (Digital display, key operation, 1-CH RS485)</b>				
MDT-01R-R	1-CH	Relay	Relay	RTD
MDT-01R-T	1-CH	Transistor	Transistor	RTD
MDT-01T-R	1-CH	Relay	Relay	TC
MDT-01T-T	1-CH	Transistor	Transistor	TC
MDT-02R-R	2-CH	Relay	Relay	RTD
MDT-02R-T	2-CH	Transistor	Transistor	RTD
MDT-02T-R	2-CH	Relay	Relay	TC
MDT-02T-T	2-CH	Transistor	Transistor	TC
<b>MTCE Series (1-CH RS485, EtherCAT slave station)</b>				
MTCE-10T-NT	10-CH	Transistor	Flag bit	TC
MTCE-10R-NT	10-CH	Transistor	Flag bit	RTD
<b>MQT Series (Communication Module)</b>				
MQT-2TT-ME	2-CH	Modbus TCP/IP/Ethernet	Transistor(4-CH)	TC
MQT-2TA-ME	2-CH	Modbus TCP/IP/Ethernet	Analog quantity(4-CH)	TC
MQT-2TT-ET	2-CH	EtherCAT slave station	Transistor(4-CH)	TC
MQT-2TA-ET	2-CH	EtherCAT slave station	Analog quantity(4-CH)	TC
MQT-2TT-RS	2-CH	Modbus RS485	Transistor(4-CH)	TC
MQT-2TA-RS	2-CH	Modbus RS485	Analog quantity(4-CH)	TC
MQT-2TT-PN	2-CH	Pro net	Transistor(4-CH)	TC
MQT-2TA-PN	2-CH	Pro net	Analog quantity(4-CH)	TC
MQT-2RT-ME	2-CH	Modbus TCP/IP/Ethernet	Transistor(4-CH)	RTD
MQT-2RA-ME	2-CH	Modbus TCP/IP/Ethernet	Analog quantity(4-CH)	RTD
MQT-2RT-ET	2-CH	EtherCAT slave station	Transistor(4-CH)	RTD
MQT-2RA-ET	2-CH	EtherCAT slave station	Analog quantity(4-CH)	RTD

Model	Temperature detection channel	Temperature control output type	Alarm output type	Input type
<b>Communication Module</b>				
MQT-2RT-RS	2-CH	Modbus RS485	Transistor(4-CH)	RTD
MQT-2RA-RS	2-CH	Modbus RS485	Analog quantity(4-CH)	RTD
MQT-2RT-PN	2-CH	Pro net	Transistor(4-CH)	RTD
MQT-2RA-PN	2-CH	Pro net	Analog quantity(4-CH)	RTD
<b>Temperature Control Module</b>				
MQT-4TT	4-CH	Modbus RS485	Transistor(4-CH)	TC
MQT-4TA	4-CH	Modbus RS485	Analog quantity(4-CH)	TC
MQT-4TR	4-CH	Modbus RS485	Relay(4-CH)	TC
MQT-4RT	4-CH	Modbus RS485	Transistor(4-CH)	RTD
MQT-4RA	4-CH	Modbus RS485	Analog quantity(4-CH)	RTD
MQT-4RR	4-CH	Modbus RS485	Relay(4-CH)	RTD
<b>Expansion Module</b>				
MQT-8DI	8-CH	---	---	Digital quantity(8-CH)
MQT-8DO	4-CH	---	Digital quantity(8-CH)	---
MQT-8CT	4-CH	---	---	Transformer Current
MQT-8DM	4-CH	---	Digital quantity(4-CH)	Digital quantity(4-CH)

## Cable List

Model	Description	Terminal
<b>PLC</b>		
MCA200-CA10	RS232 programming cable for computer USB port and PLC (2m)	USB-MiniDin8
MCA200-CA01	RS232 programming cable for computer and PLC (Non-isolated 2m)	DB9F-MiniDin8
MCA200-CA02	RS232 programming cable for computer and PLC (Isolated 2m)	DB9F-MiniDin8
MCA200-CA17	RS485 communication cable for computer and PLC (2m)(MC280 round-hole)	USB-MiniDin8
MCA200-CA18	RS485 communication cable of PLC	MiniDin8-RS485 terminal
MCA200-CA11	Computer USB port to RS232 cable (2m)(DB9)	USB-DB9M
MCA200-CA04	Extension cable for MC200 expansion module (0.65m)	Cable connector(male)-Cable connector(female)
MCA200-CA05	Extension cable for MC200 expansion module (1m)	Cable connector(male)-Cable connector(female)
<b>HMI and text displayer</b>		
MCA-200-CA09	RS232 communication cable between MZ600 series HMI and PLC (3.5m)	DB9M-MiniDin8
MCA-200-CA14	RS232 communication cable between MZ600 series HMI and PLC (2m)	DB9M-MiniDin8
MCA-200-CA16	RS232 communication cable between MZ800 series HMI and PLC (8m)	DB9M-MiniDin8
MCA-200-CA01	RS232 communication cable between MZ800 series HMI and PLC (2m)	DB9F-MiniDin8
<b>Other</b>		
MCA200-CA12	Download cable between computer and MC120/MC160/ thermostat (2m)	USB-RS485
MCA200-CA13	Download cable between computer and handheld operation box/data record box (2m)	USB-RJ45
MCA200-UDM01SL1	Connection cable between PLC and handheld upload-download program operation box (MCA200-UDM01)	RJ45-MiniDin8

MZ800 Series Human Machine Interface

