

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



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

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MC5000

Small PLC

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MC280/200E
MC200
MC100

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MLINK

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Intelligent Temperature Controller

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Cable List

20 Cable List

HMI

21/22 MZ800 Series

MC6000 Series Medium PLC



conforms to PLCopen specification and IEC61131-3 standard.

Product Feature

- EtherCAT Control:**
- High-speed I/O:** Built-in 200KHz high-speed I/O(8 * DI+8 * DO)
- Programming language:**
- Rich Interface:**
- Large capacity:** 16MB program capacity, 16MB data capacity, 256MB storage capacity, 64KB+4KB retention on power down
- Multi-communication:**

MC5000 Series Medium PLC



Product Feature

- Motion control:**
 - Based on pulse output: 2M difference 100K collector, 8PO expansion, control up to 38 pulse axis
- Operation speed:** and 100K-step standard program executes no more than 2.2ms
- C language:**
- Communication:**
- Large capacity:** 320K-step program capacity, 2M Byte C language, 2M Byte data capacity

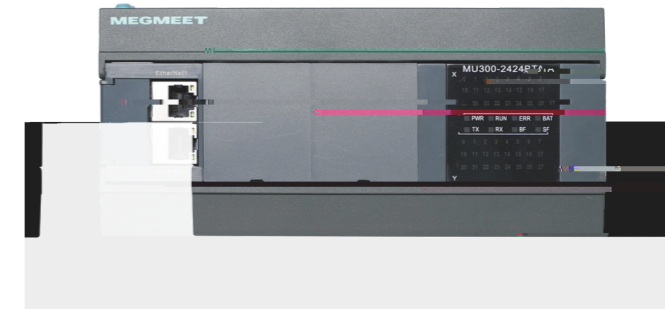
Model

MC5
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0 Bus controller 0 Cluster terminal
 1 Pulse controller 1 Euroblock M: MECHATROLINK-III* B: 4-axis collector 200K pulse output
 2 General controller C: CANopen*
 P: Profibus*

Item	MC5200E	MC5101EB	MC5100EA	MC5000EA64	MC5000E64	MC5001EB64
Local IO expansion				16 modules (Max. 1024 IO points)		
Program capacity				320K step		
Data capacity				2M		
Bit instruction processing				6.4ns		
Word instruction processing				25ns		
Operating speed						

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



MC200 Series Small PLC



High stability and reliability

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Reliable program security

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High stability and reliability

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Reliable program security

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Reliable program security

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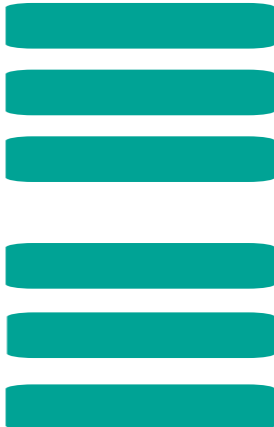
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MC5000S Series Remote I/O Module



meet the diversified choices of customers.



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

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Intelligent Temperature Controller



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Model

Model	Temperature detection channel	Temperature control output type	Alarm output type	Input type
MTC Series				
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
MTCW Series(Ethernet, 2-channel RS485)				
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
MTCV Series (Sampling channel isolation No Ethernet 1-CH RS485)				
MTCV-16-NT	16-CH	Transistor (16-CH)	Flag bit	TC
MTCV-08-NT	8-CH	Transistor (8-CH)	Flag bit	TC
MDT Series (Digital display, key operation, 1-CH RS485)				
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
MTCE Series (1-CH RS485, EtherCAT slave station)				
MTCE-10T-NT	10-CH	Transistor	Flag bit	TC
MTCE-10R-NT	10-CH	Transistor	Flag bit	RTD
MQT Series (Communication Module)				
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
Communication Module				
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
Temperature Control Module				
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
Expansion Module				
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
PLC		
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)
HMI and text displayer		
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
Other		
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

