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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.

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A_`jc Jgqr

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KX6. . Qcpgcq

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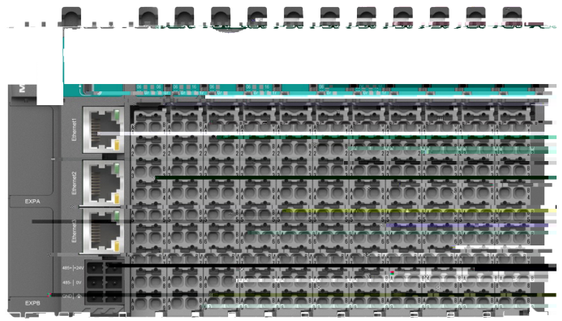
MC8000 series product is a new generation of high-performance and cost-e ective medium PLC based on the mOPAX platform of MEGMEET. It is fully compatible with the IEC61131-3 programming specification and supports LD, ST, SFC, CFC, FBD, and IL programming languages; adopts the blade-type module design, and supports multi-core processor. Based on multi-bus protocols such as EtherCAT and Profinet, a multi-axis motion control system is constructed, to meet the high-speed response requirements of intelligent devices.




***Developing**
**Coming soon**

## Product Feature

### Qrpmle cvn_lqgml $ lcrumpigle

- Expand up to 32 modules, support the expansion of digital, analog, CAN, RS485, RS232, etc.
- Full protocol compatibility, support Modbus/ EtherCAT/EtherNet IP/Profinet and others.

### Pcjg_`jw cvacjjclr ncpdmpk_lac

- Four-core A55 processor, communication, logic and algorithm are completely independent.
- 8*200K high-speed input, 8*200K pulse output (single pulse, pulse + direction, AB phase, FWD+REV, etc.)

### Npcaqqc Ksjrg+_vgq amlrpmj

- 1ms/16-axis sync, support 16/32/64-axis EtherCAT control

### Djcvg`jc $ amltclgclrmncp_rgml

- 12mm machine body, saving space
- PUSH In terminal, easily wiring and replacing without tools

### Sjrp_+j_pec a_n_agrw

- Support 10M program capacity, 20M data capacity, 512KB retention, for complex logic and data processing

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MEGMEET

E-gear and other control function, to achieve high-speed operation and efficient communication, flexible configuration and

## Product Feature

### Flexible expansion

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### EtherCAT Control

- μ
- Communication port: 1*EtherCAT+2*EtherNet,

### 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
- 

### Networking based on multi-communication

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## Basic Module (AC Power)

| Model | Description | Dimensions(mm) LxWxH |
|---|---|---|
| MU300-0808BTA16 | 8-point DC24V input, 8-point transistor output (16 bus axis) | |
| MU300-0808BTA8 | 8-point DC24V input, 8-point transistor output (8 bus axis) | |
| MU300-1210BTA16 | 12-point DC24V input, 10-point transistor output (16 bus axis) | |
| MU300-1210BTA8 | 12-point DC24V input, 10-point transistor output (8 bus axis) | |
| | | |
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| 1β | | |
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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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### Flexible expansion

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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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- 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 intput | |
| 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 | |

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## Product Feature

**High speed and large capacity**

- Program capacity: 12K
- μ

**High stability and reliability**

- Input filter protection and power loss protection

**Reliable program security**

**Strong expansion capability**

**Excellent communication networking**

## Basic Module (AC Power)

| Model | Speci cation | Dimensions(mm) LxWxH |
|---|---|---|
| MC200-2012BRA | 20-point 24VDC input, 12-point relay output | 158x90x82 |
| MC200-2012BTA | 20-point 24VDC input, 12-point transistor output | |
| MC200-3232BRA | 32-point 24VDC input, 32-point relay output | 228x90x82 |
| MC200-3232BTA | 32-point 24VDC input, 32-point transistor output | |
| MC200-4040BRA | 40-point 24VDC input, 40-point relay output | 275x90x82 |
| MC200-4040BTA | 40-point 24VDC input, 40-point transistor output | |

## IO Expansion Module Applicable to the basic modules of MC280/MC200E/MC200 series PLC

| Model | Speci cation | Dimensions(mm) LxWxH |
|---|---|---|
| MC200-0800ENN | 8-point 24VDC input | 58x90x82 |
| MC200-1600ENN | 16-point 24VDC input | |
| MC200-0008ERN | 8-point relay output | |
| MC200-0008ETN | 8-point transistor output | |
| MC200-0808ERN | 8-point 24VDC input, 8-point relay output | |
| MC200-0808ETN | 8-point 24VDC input, 8-point transistor output | |
| MC200-0016ERN | 16-point relay output | |
| MC200-0016ETN | 16-point transistor output | |
| MC200-1616ERN | 20-point 24VDC input, 12-point relay output | 158x90x82 |
| MC200-1616ETN | 16-point 24VDC input, 16-point transistor output(Active) | |
| MC200-1616ERA | 16-point 24VDC input, 16-point relay output(Active) | |
| MC200-1616ETA | 16-point 24VDC input, 16-point transistor output(Active) | |

## Special Function Module Applicable to the basic modules of MC280/MC200E/MC200 series PLC

| Model | Speci cation | Dimensions(mm) LxWxH |
|---|---|---|
| MC200-2AD MC200-4AD | 2-point, 4-point analog quantity input | 58x90x82 |
| MC200-2DA MC200-4DA | 2-point, 4-point analog quantity output | |
| MC200-8AD | 8-point analog quantity input | |
| MC200-4AM | 2-point analog quantity input, 2-point analog quantity output | |
| MC200-5AM | 4-point analog quantity input, 1-point analog quantity output | |
| MC200-2TC MC200-4TC | 2-point, 4-point thermocouple | |
| MC200-8TC | 8-point thermocouple | |
| MC200-2PT MC200-4PT | 2-point, 4-point thermal resistance | |
| MC200-2HC | 2-channel high-speed count module: single-phase 200K; bi-directional phase 100K; 1-channel pulse following output 20K | |

## Communication Module Applicable to the basic modules of MC280/MC200E/MC200 series PLC

| Model | Speci cation | Dimensions(mm) LxWxH |
|---|---|---|
| MC200-CPM | CANopen master communication module | 58x90x82 |
| MC200-CAN | CAN communication module | |
| MC200-RS485 | RS485 communication module | |
| MC200-WEN | Ethernet communication module | |

MEGMEET
MC-100-1614BRA1

modules flexibly and integrating internal intelligent PID algorithm; it has the advantages of cascade, high precision,

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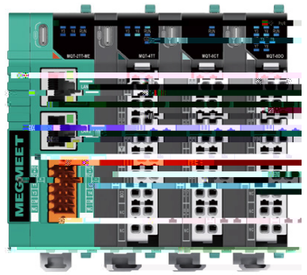
Fgef ncpdmpk_lac8

Qrpmledslargml8

Qgknjcglqr_jj_rgml8

Amknjcrckmbsjc8

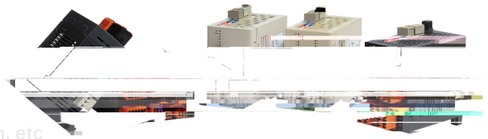


| Item | Description | |
|---|---|---|
| Power supply | 24VDC -15% ~ 20% | |
| Signal input | Input type | Thermocouple K J E N T R B For all channel |
| | | Thermal resistance Pt100 JPt100 Cu100 Ni120 For all channel |
| | Precision | Thermocouple 0.15% Full scale ϒ cold compensation |
| | | Thermal resistance 0.3% Full scale |
| | Sampling cycle | 25ms/channel 100ms/8 channels 100ms/4 channels |
| Control output | Output form | Transistor output (SSR drive output), relay output, current output, voltage output |
| | Control action | Manual, ON / OFF, single PID, heating & cooling PID, position proportional PID |
| Alarm output | Alarm form | 14 alarms, such as upper and lower limit alarm, deviation alarm and so on. |
| | Output form | Transistor and relay output (output state can be directly controlled by writing registers) |
| | Output channel | 8 channels |
| Digital input | Input form | Transistor input |
| | Input channel | 4 channels |
| Control cycle | 0.1s - 10s or 1s - 100s | |
| Acquisition channel | 4 channels and 8 channels | |
| Isolation | Exist between power and communication, power and channel, communication and channel, channel and channel | |
| Communication port | RS485/Modbus-TCP/EtherNet/EtherCAT/Profinet | |
| Generals | Ambient temperature | Working: -20 ~ 60 °C, storage: -40 ~ 70 °C |
| | Ambient humidity | Working: 10 ~ 90 % RH (no condensation), keeping: 5 ~ 95 % RH (no condensation) |
| | Altitude | Below 2000m |
| | Protection level | IP20 |
| C & S | Conform to IEC/EN 61326-1 For use in industrial locations CE | |



| Kmbcj | ?aosgqgrgmlaf_llcj | Rcknccp_rspcamlrpmjmsrnsr | ?j_pk msrnsr | Glnsrrwnc |
|---|---|---|---|---|
| MQT-2TT-ME | 2-CH | Modbus TCP/IP/Ethernet | Transistor(4-CH) | TC |
| MQT-2RT-ME | 2-CH | Modbus TCP/IP/Ethernet | Transistor(4-CH) | RTD |
| MQT-2TT-ET | 2-CH | EtherCAT | Transistor(4-CH) | TC |
| MQT-2RT-ET | 2-CH | EtherCAT | Transistor(4-CH) | RTD |
| MQT-2TT-RS | 2-CH | Modbus RS485 | Transistor(4-CH) | TC |
| MQT-2RT-RS | 2-CH | Modbus RS485 | Transistor(4-CH) | RTD |
| MQT-2TT-PN | 2-CH | Profinet | Transistor(4-CH) | TC |
| MQT-2RT-PN | 2-CH | Profinet | Transistor(4-CH) | RTD |
| Rcknccp_rspcamlrpmj kmbsjc | | | | |
| MQT-4TT | 4-CH | Modbus RS485 | Transistor(4-CH) | TC |
| MQT-4TA | 4-CH | Modbus RS485 | Analog(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(4-CH) | RTD |
| MQT-4RR | 4-CH | Modbus RS485 | Relay(4-CH) | RTD |
| Cvn_lqgml kmbsjc | | | | |
| MQT-8DI | 8-CH | 8-channel digital input | - | |
| MQT-8DO | 8-CH | 8-channel digital output | Digital (8-CH) | |
| MQT-8CT | 8-CH | 8-channel current detection | - | |
| MQT-8DM | 8-CH | 4-channel digital input, 4-channel digital output | Digital (4-CH) | |
| MQT-8AI | 8-CH | 8-channel analog current input | - | |
| MQT-8AV | 8-CH | 8-channel analog voltage input | - | |
| MQT-8AO | 8-CH | 8-channel analog output | Analog (8-CH) | |

MTC/MTCW/MTCV series products are multi-channel and high-precision temperature controllers, which are suitable for various occasions of temperature control. Its main feature is compatible with TC and RTD, high measure accuracy; high integration (one module supports up to 12 channels of temperature control and 16 channels of measurement), space saving, easy data exchange, remote monitoring, and high cost performance.



**Bcbga_rcb qmdr u_pc8** Provide special software - MtcCompanion

**Bs_j+N&B ds l argm l 8** Heating&cooling dual-PID control function,
14 alarms like upper and lower limits, deviation, etc

**Fge f npcagqgm l** Intelligent self-tuning and multi-stage temperature setting functions to achieve high-precision temperature control

**Ksjrg+u_w am l rpmj** Integrated multi-channel temperature control to centralize data management

**C_qw cva f_ l ec** Data exchange easily between thermostat and PLC, thermostat and HMI, thermostat and computer through Ethernet and serial port

| Item | Description | |
|---|---|---|
| Power supply | 24VDC -15% ~ 20% | |
| Signal input | Input type | |
| | | |
| | Precision | Thermocouple |
| | Sampling cycle | |
| | Output form | |
| Control output | Control action | |
| | Alarm form | |
| Alarm output | Output form | |
| | Output channel | |
| IO input | Input form | |
| | Input channel | |
| Control cycle | | |
| Acquisition channel | | |
| Isolation | | |
| Communication port | | |
| Generals | Ambient temperature | |
| | Ambient humidity | |
| | Altitude | |
| | Protection level | |
| C & S | Conform to IEC/EN 61326-1 For use in industrial locations UL61010-1 CE UL | |

MTCE series product, as a multi-channel high-precision EtherCAT temperature controller, are adapted to various mainstream master stations. Its main feature is compatible with thermocouples and thermal resistors, high measurement accuracy, feature-rich, user-friendly. It has the characteristics of high integration, space saving, easy data exchange, remote monitoring, and high cost performance.

Lcrumpiglea_n_agrw EtherCAT

Measure accuracy: full scale of ±0.15 % ; control accuracy: ±0.2°C

0.1s sampling cycle, and 1ms synchronization cycle; a single module can operate PID control and simple logic operation, and monitor analog value

| Item | Description | |
|---|---|---|
| | 24VDC -15% ~ 20% | |
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