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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.

**2800+** R&D Personnels

**7800+** Workers

**10** R&D Centers

**8** Manufacturing Bases



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03/07

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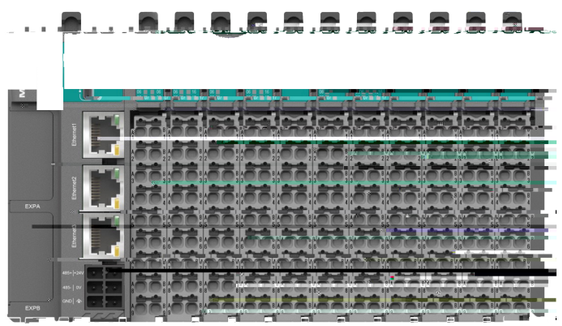
KX6. . Qcpgcq

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

### Qrpm le cvn_lqgm l $ 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 cvacjjc l r ncpdmp k _l ac

- 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.)

### Npcagqc Ksjrg+_vgq am l rpmj

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

### Djcvg`jc $ am l tc l gc l r mncp_rgm l

- 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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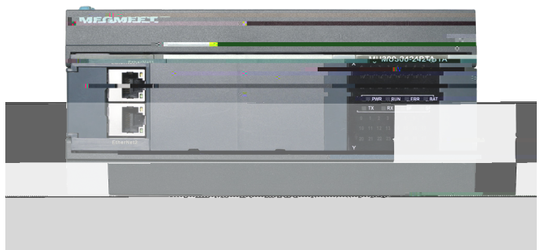
| Model | Description | | Speci cation |
|---|---|---|---|
| | CPU Module | | |
| | IO of Main Module | Number of bus control axis | |
| MC5200E | Input: 16-channel<br>Output: 16-channel transistor | - | Standard medium module<br>Terminal: cluster terminal |
| MC5100EA | Input: 4-channel 200K pulse 3-channel 1M differential pulse<br>Output: 4-channel transistor, 6×2M differential pulse channel | - | Pulse main module<br>Terminal: cluster terminal |
| MC5101EB | Input:8-channel(support 4-channel 200K pulse)<br>Output:8-channel transistor(support 4-channel 200K pulse) | - | Pulse main module<br>Terminal: Euroblock |
| MC5000E8 | Input: 16-channel<br>Output: 16-channel transistor | 8-axis EtherCAT | Bus main module<br>Terminal: cluster terminal |
| MC5000E16 | Input: 16-channel<br>Output: 16-channel transistor | 16-axis EtherCAT | Bus main module<br>Terminal: cluster terminal |
| MC5000E32 | Input: 16-channel<br>Output: 16-channel transistor | 32-axis EtherCAT | Bus main module<br>Terminal: cluster terminal |
| MC5000E64 | Input: 16-channel<br>Output: 16-channel transistor | 64-axis EtherCAT | Bus main module<br>Terminal: cluster terminal |
| MC5001EB8 | Input:8-channel(support 4-channel 200K pulse)<br>Output:8-channel transistor(support 4-channel 200K pulse) | 8-axis EtherCAT | Bus main module<br>Terminal: Euroblock |
| MC5001EB16 | Input:8-channel(support 4-channel 200K pulse)<br>Output:8-channel transistor(support 4-channel 200K pulse) | 16-axis EtherCAT | Bus main module<br>Terminal: Euroblock |
| MC5001EB32 | Input:8-channel(support 4-channel 200K pulse)<br>Output:8-channel transistor(support 4-channel 200K pulse) | 32-axis EtherCAT | Bus main module<br>Terminal: Euroblock |
| MC5001EB64 | Input:8-channel(support 4-channel 200K pulse)<br>Output:8-channel transistor(support 4-channel 200K pulse) | 64-axis EtherCAT | Bus main module<br>Terminal: Euroblock |
| MC5000EA8 | Input: 4-channel 200K pulse 3-channel 1M differential pulse<br>Output: 4-channel transistor, 6×2M differential pulse channel | 8-axis EtherCAT | Bus main module<br>Terminal: cluster terminal |
| MC5000EA16 | Input: 4-channel 200K pulse 3-channel 1M differential pulse<br>Output: 4-channel transistor, 6×2M differential pulse channel | Input: 4-cha | cn8410.616 0 Td(e)Tj0.615 0 Td(l)Tj0.228 0 Td( )Tj0.308 0 Td(2)Tj0.616 0 Td(0)Tj0.616 0 Td(0)Tj0.616 0 Td(K)Tj0.69 0 Td( )Tj0.308 0 Td(p)Tj0.616 0 Td(u)Tj0.616 0 Td(l)Tj0.231 0 Td(s)Tj0.538 0 Td(e)Tj/C20 1 Tf0.615 0 Td<023C>Tj/TT0 1 Tf1 0 Td(3)Tj0.615 0 Td(-)Tj0.386 0 Td(c)Tj0.539 0 T<br>ential pulse channel 0.616 0 Td(r)Tj0.385 0 Td(e)Tj0.615 0 Td(n)Tj0.616 0 Td(t)Tj0.385 0 Td(i)Tj0.231 0 Td(a)Tj0.616 0 Td(l)Tj0.227 0 Td( )Tj0.308 0 Td(p)Tj0.616 0 Td(u)Tj0.616 0 Td(l)Tj0.231 0 Td(s)Tj0.538 0 Td27Tj0.616 0 Td(a)Tg5-Tj0.616 0 Td(l3n)Tj0.616 0 Td(e)Tj-7.849 -1.385 Td(T)Tj0.615 0 Td(e)Tj0.615 0 Td(r)Tj0.385 0 Td(m)Tj0.924 0 Td(i)T |

Applicable to MC6000/MC5000 basic modules and MC5000S remote IO modules

| | | |
|---|---|---|
| Power Module | | |
| MP50AC220 | Input: 100~240Vac, Output: 24V/2A | AC power module |
| IO Expansion Module | | |
| MC5000-3232ETN | 32-point 24DVC input, 32-point transistor output | Cluster terminal |
| MC5000-1616ETN | 16-point 24DVC input, 16-point transistor output | Cluster terminal |
| MC5000-3200ENN | 32-point 24DVC input | Cluster terminal |
| MC5000-0032ETN | 32-point transistor output | Cluster terminal |
| MC5000-6400ENN | 64-point 24DVC input | Cluster terminal |
| MC5000-0064ETN | 64-point transistor output | Cluster terminal |
| MC5000-1600ENN-T | 16-point 24DVC input | Plug-pull screw terminal |
| MC5000-0016ERN-T | 16-point relay output | Plug-pull screw terminal |
| MC5000-0016ETN-T | 16-point transistor output | Plug-pull screw terminal |
| MC5000-3200ENN-P | 32-point IO input | Euroblock |
| MC5000-0032ETN-P | 32-point IO output | Euroblock |
| MC5000-1616ETN-PH | 16-point 24DVC input, 16-point transistor output (with 4 channels high-speed counter) | Euroblock |
| MC5000-1600ENN-P | 16-point IO input | Euroblock |
| MC5000-0016ETN-P | 16-point IO output | Euroblock |
| MC5000-0016ERN-P | 16-point relay output | Euroblock |
| MC5000-0014EPN-P | 14-point high-side transistor output | Euroblock |
| Special Function Module | | |
| MC5000-8PO | 8-axis 200KHZ pulse output module (1 main module can con gure up to 4, MC5000 only) | Cluster terminal |
| MC5000-4AD/8AD | 4/8-channel analog quantity input module | Plug-pull screw terminal |
| MC5000-4DA | 4-channel analog quantity output module | Plug-pull screw terminal |
| MC5000-4PT | 4-channel thermal resistance temperature module | Plug-pull screw terminal |
| MC5000-4TC/8TC | 4/8-channel thermocouple temperature module | Plug-pull screw terminal |
| MC5000-2WT* | 2-channel weighing module | Plug-pull screw terminal |
| MC5000-4DA-P | 4-channel analog quantity output module | Euroblock |
| MC5000-6AD-P | 6-channel analog quantity input module | Euroblock |
| MC5000-8TC-P | 8-channel thermocouple temperature module | Euroblock |
| Remote IO Module | | |
| MC5000S-ET | EtherCAT expansion rack | EtherCAT slave station |
| MC5000S-EIP | EtherNet/IP expansion rack | EtherNet/IP slave station |
| MC5000S-PN | Pro Net expansion rack | Pro Net slave station |
| Accessory | | |
| MCA05-100L | 1m terminal line | Tieline |
| MCA05-150L | 1.5m terminal line | Tieline |
| MCA10-40P | 40PIN terminal | Wiring terminal |

*

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



## Product Feature

### Flexible expansion

- 
- 

### 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) | |
| | | |
| | | |
| 1β | | |
| | | |

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

### Strong expansion capability

- 
- 
- 

### High stability and reliability

- 
- Input filter protection and power loss protection
- 

### Excellent communication networking

- 
- 
- 

### Reliable program security

- 

## 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
RUN
POWER
ERR
OUT
MC100-1614BRA1

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

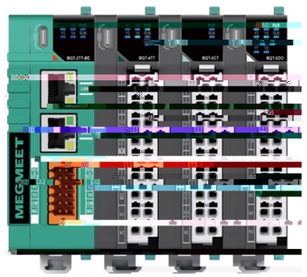
Fgef npcagqgml8

Fgef ncpdmpk_lac8

Qrpmledslargml8

Qgknjcglqr_jj_rgml8

Amknjcrc kmbsjc8

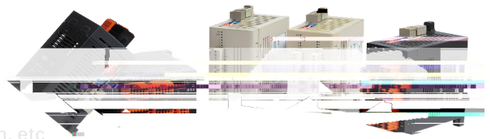


| Item | | Description |
|---|---|---|
| Power supply | | 24VDC -15% ~ 20% |
| Signal input | Input type | Thermocouple K J E N T R B For all channel |
| | | Thermal resistance Pt100 JPt100 Cu100 Ni120 For all channel |
| | Precision | Thermocouple 0.15% Full scale ϒ cold compensation |
| | | Thermal 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 | ?aosgqgrgml af_l lcj | Rck ncp_rspc aml rpmj msrnsr | ?j_pk msrnsr | Glnsr rwnc |
|---|---|---|---|---|
| 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 |
| Rck ncp_rspc aml rpmj 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+N8B ds l argm l 8** Heating&cooling dual-PID control function, 14 alarms like upper and lower limits, deviation, etc

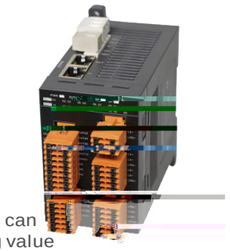
**Fgef npcagqgm l** Intelligent self-tuning and multi-stage temperature setting functions to achieve high-precision temperature control

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

**C_qw cvaf_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

## Product Feature

Fgef ncpdmpk_lac 0.1s sampling cycle

Fgef npcagqgml Measure accuracy: full scale of ±0.15 % ; cascade control accuracy: ±0.5

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

| | | | | | |
|---|---|---|---|---|---|
| Picture | | | | | |
| Model/Series | MZ800-TT210SK30W | MZ800-TT215SK31 | MZ800-TT07SK31M | MZ800-TT210SK31M | MZ800-TT22P |
| Display size | | | | | |