MEGMEET

Power Solutions

Industry Automation

New Energy Solutions

Home Appliance Control Solutions

Precision Connection

SHENZHEN MEGMEET ELECTRICAL CO., LTD.

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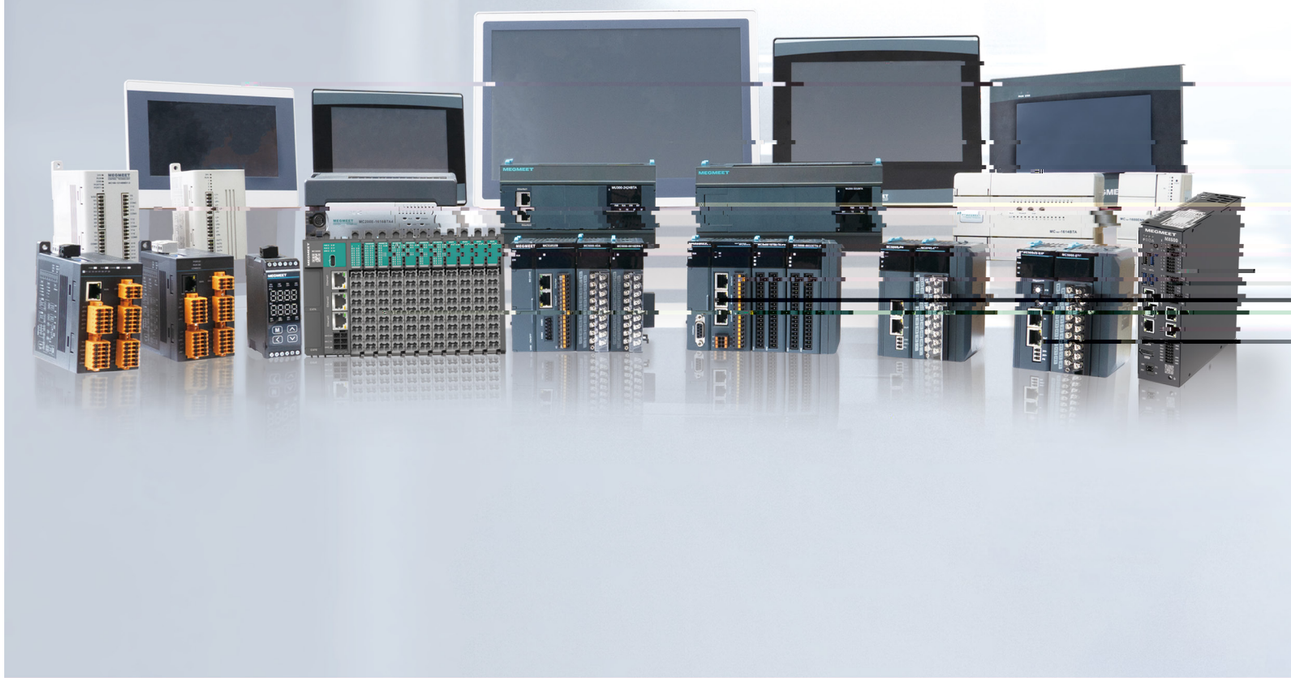
egmeet

CONTROL SYSTEM

SELECTION BROCHURE

PLC Thermostat HMI



MEGMEET

Shenzhen egmeet lectrical o., td.(Stock ode:00 85) is a one-stop solution provider for the & , electronics and automatic control echnology. ompany'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.

ur company has established a strong platform of & , manufacturing, marketing and service with more than 800 & personnel and a total of more than 7800 employees. We have established & centers in Shenzhen ity, hangsha ity, Xi'an ity, Wuhan ity, Zhuzhou ity, angzhou ity, Taizhou ity and hengdu ity; overseas research institutes in the United States, ermany, and Sweden; manufacturing centers in Zhuzhou ity, ongguan ity, eyuan ity, Taizhou ity, and Yiwu ity; overseas factories in Thailand and ndia; overseas marketing station in the United States, apan, orea, Southeast sia, ndia, ermany, oland, omania, Turkey, Sweden to provide quality service resources.

control and energy saving.

2800+ 7800+

10 8

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Medium PLC

03/07 MX600 Series
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MTCE Series
MCAS Series
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Cable List

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HMI

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MEGMEET

MX600 Series Medium PLC

MX600 series intelligent controller breaks through the 256-axis μs-level synchronous control, supports EtherCAT, EtherNET / IP, ProfiNet and other bus protocols, and the redundant architecture ensures 99.999 % extreme condition stability. It covers high-precision scenarios such as lithium battery winding, semiconductor, photovoltaic, etc., and synchronously meets the ms-level sequential control requirements of 3C assembly, five-axis machining and high-speed packaging.

Product Feature

[redacted]

[redacted]

- Support 16-axis/250us, 64-axis/500us and 256-axis/2ms sync cycles, and 20us jitter to ensure high-precision control.

[redacted]

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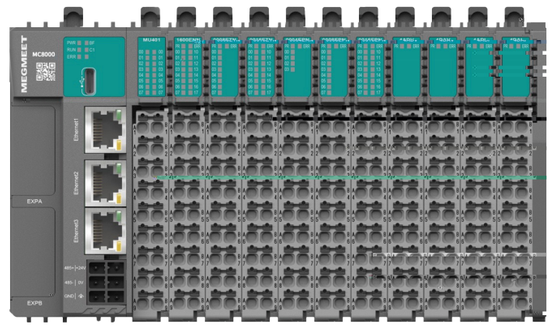
MC8000 Series Medium PLC *

MC8000 series product is a new generation of high-performance and cost-effective 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.



Product Feature

Strong expansion & networking

- 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.

Reliably excellent performance

- 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.)

Precise Multi-axis control

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

Flexible & convenient operation

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

Ultra-large capacity

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

MC6000 Series Medium PLC

conforms to PLCopen specification and IEC61131-3 standard.

roduct eature

ther T ontrol:

igh-speed / : Built-in 200KHz high-speed I/O(8 * DI+8 * DO)

rogramming language:

ich nterface:

arge capacity: 16MB program capacity, 16MB data capacity, 256MB storage capacity, 64KB+4KB retention on power down

ulti-communication:

tem		6000	60 0*	60 0*
ocal expansion		6 modules ax. 0 4 points		
rogram capacity		6		
ata capacity				
ower-down retention capacity		64+4		
emory area		rea : 8 , rea : 8 , rea : 4		
nstruction processing speed	it instruction processing (V .)	4.9ns		
	Word instruction processing (V .)	60.9ns		
	nteger four-rule operation(V .)	50.7ns		
	loating number four-rule operation (V .)	50.4ns		
igh-speed	nput	4-channel phase/8-channel single phase		
	utput	Y0~Y7 4-channel 00 z		
ommunication function	thernet	5*sockets odbus T aster/Slave ree protocol		
	S485	-channel odbus TU aster/Slave bus ree protocol		
	Special function	Support 4 lients to access Support U ,T / ,U		
rogramming language		ST S		
ther T	Supported motion axis	ax. 4	ax.	
	Slave station quantity	ax. 3 ncluding motion axis)		
	in. Synchronization period	ms		
	Typical value of communication cycle	6 axis- ms	axis- ms	
otion control	quantity	8	4	
	Single axis quantity	6		
	xis group/	axis group		
ardware resource	T card	Supported		
	Type-	Supported		

60 0 ro net(Slave) ndex	
Transmission medium	thernet T5 cable
Transmission distance	≤ 00m(Station-Station)
Transmission rate	00 bps
us nterface	* 45
T	Supported; in. eriod: 4ms
T	ot supported
nput data area	440 ytes
utput data area	440 ytes

60 0 thernet/ ndex	
Slave station quantity	3
Transmission medium	thernet T5 cable
Transmission distance	≤ 00m(Station-Station)
Transmission rate	00 bps
us nterface	* 45
ax. nput	504 ytes
ax. utput	504 ytes
ax. uantity of connection	0

*

MC5000 Series Medium PLC

roduct eature

otion control:

- μ
- Based on pulse output: 2M difference 100K collector, 8PO expansion, control up to 38 pulse axis

peration speed: and 100K-step standard program executes no more than 2.2ms

language:

ommunication:

arge capacity: 320K-step program capacity, 2M Byte C language, 2M Byte data capacity

odel

MC5	0	0	0	E	A	16
	0 Bus controller 1 Pulse controller 2 General controller	0 Cluster terminal 1 Euroblock		M: MECHATROLINK-III* C: CANopen* P: Profibus*	B: 4-axis collector 200K pulse output	

*

tem		5 00	5 0	5 00	5000 64	5000 64	500 64
ocal expansion		6 modules (ax. 0 4 points)					
rogram capacity		3 0 step					
ata capacity							
perating speed	it instruction processing	6.4ns					
	Word instruction processing	5ns					
	nteger four-rule operation (V .)	40ns					
	loating number four-rule operation (V .)	50ns					
	adder diagram	ms/ 00 step					
	language	500 d S					
igh-speed	utput	-	4-axis (collector)	6-axis(difference)		-	4-axis (collector)
	nput	-	× phase	×5V differential+ ×	phase	-	× phase
ommon (Transistor)		6-input, 6-output	4-input, 4-output			6-input, 6-output	4-input, 4-output
ommunication function	thernet	8 sockets (odbusT aster/slave free protocol)					
	S485	×(odbus aster/slave bus free protocol)					
rogramming language		, S , , language					
ther T	Supported motion axis	-			64(ax.)		
	us expansion rack	8 groups					
	in. synchronization time	50us					
	Typical value of communication cycle	-			ms		
otion ontrol	and interpolation	-	3× / × multi-axis interpolation		Supported		
	Table output	-	0000 steps x				
	le import	-	Supported				
anguage	Standard	Support standard					
	peration mode	ixed programming with ladder diagram/ ndependent -programming					
	unction library	ich standard function library					
	User-de ned library	Support to encapsulate function blocks by language(import, export, encryption)					
ardware esource	S card	Supported					
	US download	Supported					

odel	escription		Speci cation
U odule			
	of ain odule	umber of bus control axis	
5 00	nput: 6-channel utput: 6-channel transistor	-	Standard medium module Terminal: cluster terminal
5 00	nput: 4-channel 00 pulse 3-channel differential pulse utput: 4-channel transistor, 6× differential pulse channel	-	ulse main module Terminal: cluster terminal
5 0	nput:8-channel(support 4-channel 00 pulse) utput:8-channel transistor(support 4-channel 00 pulse)	-	ulse main module Terminal: uroblock
5000 8	nput: 6-channel utput: 6-channel transistor	8-axis ther T	us main module Terminal: cluster terminal
5000 6	nput: 6-channel utput: 6-channel transistor	6-axis ther T	us main module Terminal: cluster terminal
5000 3	nput: 6-channel utput: 6-channel transistor	3 -axis ther T	us main module Terminal: cluster terminal
5000 64	nput: 6-channel utput: 6-channel transistor	64-axis ther T	us main module Terminal: cluster terminal
500 8	nput:8-channel(support 4-channel 00 pulse) utput:8-channel transistor(support 4-channel 00 pulse)	8-axis ther T	us main module Terminal: uroblock
500 6	nput:8-channel(support 4-channel 00 pulse) utput:8-channel transistor(support 4-channel 00 pulse)	6-axis ther T	us main module Terminal: uroblock
500 3	nput:8-channel(support 4-channel 00 pulse) utput:8-channel transistor(support 4-channel 00 pulse)	3 -axis ther T	us main module Terminal: uroblock
500 64	nput:8-channel(support 4-channel 00 pulse) utput:8-channel transistor(support 4-channel 00 pulse)	64-axis ther T	us main module Terminal: uroblock
5000 8	nput: 4-channel 00 pulse 3-channel differential pulse utput: 4-channel transistor, 6× differential pulse channel	8-axis ther T	us main module Terminal: cluster terminal
5000 6	nput: 4-channel 00 pulse 3-channel differential pulse utput: 4-channel transistor, 6× differential pulse channel	6-axis ther T	us main module Terminal: cluster terminal
5000 3	nput: 4-channel 00 pulse 3-channel differential pulse utput: 4-channel transistor, 6× differential pulse channel	3 -axis ther T	us main module Terminal: cluster terminal
5000 64	nput: 4-channel 00 pulse 3-channel differential pulse utput: 4-channel transistor, 6× differential pulse channel	64-axis ther T	us main module Terminal: cluster terminal
ower odule			
50 0	nput: 00~ 40Vac, utput: 4V/		power module
xpansion odule			
5000-3 3 T	3 -point 4 V input, 3 -point transistor output		luster terminal
5000- 6 6 T	6-point 4 V input, 6-point transistor output		luster terminal
5000-3 00	3 -point 4 V input		luster terminal
5000-003 T	3 -point transistor output		luster terminal
5000-6400	64-point 4 V input		luster terminal
5000-0064 T	64-point transistor output		luster terminal
5000- 600 -T	6-point 4 V input		lug-pull screw terminal
5000-00 6 -T	6-point relay output		lug-pull screw terminal
5000-00 6 T -T	6-point transistor output		lug-pull screw terminal
5000-3 00 -	3 -point input		uroblock
5000-003 T -	3 -point output		uroblock
5000- 6 6 T -	6-point 4 V input, 6-point transistor output (with 4 channels high-speed counter)		uroblock
5000- 600 -	6-point input		uroblock
5000-00 6 T -	6-point output		uroblock
5000-00 6 -	6-point relay output		uroblock
5000-00 4 -	4-point high-side transistor output		uroblock
Special unction odule			
5000-8	8-axis 00 Z pulse output module (main module can con gure up to 4, 5000 only)		luster terminal
5000-4 /8	4/8-channel analog quantity input module		lug-pull screw terminal
5000-4	4-channel analog quantity output module		lug-pull screw terminal
5000-4 T	4-channel thermal resistance temperature module		lug-pull screw terminal
5000-4T /8T	4/8-channel thermocouple temperature module		lug-pull screw terminal
5000- WT*	-channel weighing module		lug-pull screw terminal
5000-4 -	4-channel analog quantity output module		uroblock
5000-6 -	6-channel analog quantity input module		uroblock
5000-8T -	8-channel thermocouple temperature module		uroblock
emote odule			
5000S- T	ther T expansion rack		ther T slave station
5000S-	ther et/ expansion rack		ther et/ slave station
5000S-	ro et expansion rack		ro et slave station
ccessory			
05- 00	m terminal line		Tieline
05- 50	.5m terminal line		Tieline
0-40	40 terminal		Wiring terminal

pplicable to 6000/ 5000 basic modules and 5000S remote modules

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MU300 Series Small PLC

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

roduct eature

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

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- Support 8-channel 200K high-speed pulse output and single-phase pulse count, or 4-channel 100K AB-phase, CW/CW, pulse+direction
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-

asic odule (ower)

odel	escription	imensions(mm) xWx
U300-0808 T 6	8-point 4V input, 8-point transistor output (6 bus axis)	05×90×85
U300-0808 T 8	8-point 4V input, 8-point transistor output (8 bus axis)	
U300- 0 T 6	-point 4V input, 0-point transistor output (6 bus axis)	
U300- 0 T 8	-point 4V input, 0-point transistor output (8 bus axis)	
U300- 0 6	-point 4V input, 0-point relay output	
U300- 0 8	-point 4V input, 0-point relay output	
U300- 4 4 T 6	4-point 4V input, 4-point transistor output (6 bus axis)	80×90×85
U300- 4 4 T 8	4-point 4V input, 4-point transistor output (6 bus axis)	

MU200 Series Small PLC

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

roduct eature

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- significantly improved based on ARM+FPGA
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- Support up to 12-channel 200K high-speed pulse output
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- Convenient hardware configuration
-
-
-
-
-

asic odule (ower)

odel	escription	imensions(mm) xWx
U 00-4040 T	40-point 4V input, 40-point transistor output	46x90x85
U 00-4040	40-point 4V input, 40-point relay output	
U 00-3 3 T	3 -point 4V input, 3 -point transistor output	0x90x85
U 00-3 3	3 -point 4V input, 3 -point relay output	
U 00- 4 4 T	4-point 4V input, 4-point transistor output	80x90x85
U 00- 4 4	4-point 4V input, 4-point relay output	
U 00- 6 6 T	6-point 4V input, 6-point transistor output	45x90x85
U 00- 6 6	6-point 4V input, 6-point relay output	

xpansion odule pplicable to the basic modules of U300/ U 00 series

odel	escription	imensions(mm) xWx
U 00-00 6	6-point relay output	60x90x85
U 00-00 6 T	6-point transistor output	
U 00- 600	6-point intput	
U 00-0808	8-point 4V input, 8-point relay output	
U 00-0808 T	8-point 4V input, 8-point transistor output	

Special unction odule pplicable to the basic modules of U300/ U 00 series

odel	escription	imensions(mm) xWx
U 00-4	4-channel analog quantity input	60x90x85
U 00-8	8-channel analog quantity input	
U 00-4	4-channel analog quantity output	
U 00-8T	8-channel thermocouple	
U 00-4 T	4-channel thermal resistance	

xpansion ard pplicable to the basic modules of U300/ U 00 series

odel	escription	imensions(mm) xWx
U -4X	4-point input	38x46.4x .5
U -4Y	4-point output	
U -4XY	-point input and -point output	
U -	-channel analog quantity input	
U -	-channel analog quantity output	
U -	-channel analog quantity input and -channel analog quantity output	
U - S 3	S 3 communication	
U - S485	S485 communication	
U -	communication	

asic odule

※MC280-specific function

MC200 Series Small PLC

roduct eature

- Program capacity: 12K
- μ
- Input filter protection and power loss protection

asic odule (ower)

odel	Speci cation	imensions(mm) xWx
00- 0	0-point 4V input, -point relay output	58x90x8
00- 0 T	0-point 4V input, -point transistor output	
00-3 3	3 -point 4V input, 3 -point relay output	8x90x8
00-3 3 T	3 -point 4V input, 3 -point transistor output	
00-4040	40-point 4V input, 40-point relay output	75x90x8
00-4040 T	40-point 4V input, 40-point transistor output	

xpansion odule pplicable to the basic modules of 80/ 00 / 00 series

odel	Speci cation	imensions(mm) xWx
00-0800	8-point 4V input	58x90x8
00- 600	6-point 4V input	
00-0008	8-point relay output	
00-0008 T	8-point transistor output	
00-0808	8-point 4V input, 8-point relay output	
00-0808 T	8-point 4V input, 8-point transistor output	
00-00 6	6-point relay output	
00-00 6 T	6-point transistor output	
00- 6 6	0-point 4V input, -point relay output	58x90x8
00- 6 6 T	6-point 4V input, 6-point transistor output(ctive)	
00- 6 6	6-point 4V input, 6-point relay output(ctive)	
00- 6 6 T	6-point 4V input, 6-point transistor output(ctive)	

Special unction odule pplicable to the basic modules of 80/ 00 / 00 series

odel	Speci cation	imensions(mm) xWx
00- 00-4	-point, 4-point analog quantity input	58x90x8
00- 00-4	-point, 4-point analog quantity output	
00-8	8-point analog quantity input	
00-4	-point analog quantity input, -point analog quantity output	
00-5	4-point analog quantity input, -point analog quantity output	
00- T 00-4T	-point, 4-point thermocouple	
00-8T	8-point thermocouple	
00- T 00-4 T	-point, 4-point thermal resistance	
00-	-channel high-speed count module: single-phase 00 ; bi-directional phase 00 ; -channel pulse following output 0	

ommunication odule pplicable to the basic modules of 80/ 00 / 00 series

odel	Speci cation	imensions(mm) xWx
00-	open master communication module	58x90x8
00-	communication module	
00- S485	S485 communication module	
00-W	thernet communication module	

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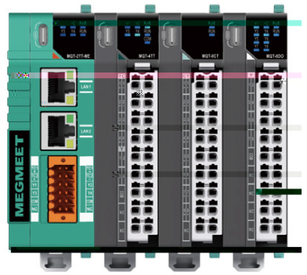
MQT Series Temperature Controller

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

roduct eature

- High precision:
- High performance:
- Strong function:
- Simple installation:
- Complete module:



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 + 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	

odel

Model	Acquisition channel	Temperature control output	Alarm output	Input type
Communication module				
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
Temperature control module				
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
Expansion module				
MQT-8DI	8-CH	8-channel digital input	-	Digital (8-CH)
MQT-8DO	8-CH	8-channel digital output	Digital (8-CH)	-
MQT-8CT	8-CH	8-channel current detection	-	Transformer current
MQT-8DM	8-CH	4-channel digital input, 4-channel digital output	Digital (4-CH)	Digital (4-CH)
MQT-8AI	8-CH	8-channel analog current input	-	Analog (8-CH)
MQT-8AV	8-CH	8-channel analog voltage input	-	Analog (8-CH)
MQT-8AO	8-CH	8-channel analog output	Analog (8-CH)	-

MTC/MTCW/MTCV Series Temperature Controller

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.

roduct eature

Dedicated software: Provide special software - MtcCompanion

Dual-PID function: Heating&cooling dual-PID control function, 14 alarms like upper and lower limits, deviation, etc

High precision Intelligent self-tuning and multi-stage temperature setting functions to achieve high-precision temperature control

Multi-way control Integrated multi-channel temperature control to centralize data management

Easy exchange 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	Thermocouple K J E N T R B For all channel
		Thermal resistance Pt100 JPt100 Cu100 Ni120 For all channel
	Precision	Thermocouple 0.2% Full scale + cold compensation Thermal resistance 0.3% Full scale)
	Sampling cycle	25ms/channel 100ms/8 channels 100ms/4 channels
	Output form	Transistor output (SSR drive output), relay output, current output, voltage output
Control output	Control action	Manual, ON / OFF, single PID, heating & cooling PID, position proportional PID
	Alarm form	14 alarms, such as upper and lower limit alarm, deviation alarm and so on.
Alarm output	Output form	Transistor and relay output (output state can be directly controlled by writing registers)
	Output channel	8 channels
IO 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, (MTCV)channel and channel
Communication port		MTC/MTCV: One isolated RS485 serial port; support MODBUS slave and MCBUS slave protocol MTCW: One isolated + one non-isolated RS485 serial port, one Ethernet port; support MODBUS slave protocol
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 UL61010-1 CE UL

roduct model

(cquisition channel

MTC series

Model	Acquisition channel	Tcagmeor £ 2 £ l'	ã E 5	— O'	3 O'
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), flag bit	TC, RTD	
MTC-04-NTR	4-CH	Transistor (4-CH) Relay (8-CH)	Relay(8-CH), flag 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*RS485)

MTCW-04-NTT	4-CH	Transistor (4-CH)	Transistor (4-CH), flag 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	-	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), flag bit	TC, RTD
MTCW-12-NT	12-CH	Transistor (12-CH)	Flag bit	TC, RTD
MTCW-16-NN	16-CH	-	Flag bit	TC, RTD
MTCW-08-CT	8-CH	Transistor (8-CH)	Flag bit	Current transformer (8-CH) TC, RTD
MTCW-08-NTD	8-CH	Transistor (8-CH heating, 8-CH cooling)	-	TC, RTD

MTCV series (Channel isolation RS485

MTCV-16-NT	16-CH	Transistor (16-CH)	Flag bit	TC, RTD
MTCV-08-NT	8-CH	Transistor (8-CH)	Flag bit	TC, RTD

MTCE Series Temperature Controller

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.

roduct eature

Networking capacity EtherCAT

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

High performance 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
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 + 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)
	Output channel	10 channels
	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 output (SSR drive output)
	Output channel	10 channels
Control cycle		0.1s - 10s or 1s - 100s
Acquisition channel		10 channels
Isolation		Exist between power and communication, power and channel, communication and channel, channel and channel
Communication port		EtherCAT
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

roduct model

Model	Acquisition channel	Temperature control output	Alarm output	Input type
MTCE-10T-NT	10-CH	Transistor	Flag bit	TC
MTCE-10R-NT	10-CH	Transistor	Flag bit	RTD

MCAS Series Temperature Controller

MCAS series temperature controller takes the lead in realizing the self-tuning PID and calibration parameters of cascade control in the industry based on the advanced self-tuning and self-learning control algorithm, which greatly simplifies the debugging of complex cascade control.

roduct eature

Cascade control A single module supports 4-channel cascade temperature control

High performance 0.1s sampling cycle

High precision Measure accuracy: full scale of ±0.15 % ; cascade control accuracy: ±0.5

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	TC 0.15% Full scale + cold compensation RTD 0.3% Full scale
	Sampling cycle	25ms/channel 100ms/8 channels 100ms/4 channels
Control output	Output form	Transistor output (SSR drive output)
	Output channel	4/8 channels
	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 output (SSR drive output)
	Output channel	4/8 channels (Transistor)
Control cycle		0.1s - 10s or 1s - 100s
Acquisition channel		6/8 channels
Isolation		Exist between power and communication, power and channel, communication and channel, channel and channel
Communication port		One isolated + one non-isolated RS485 serial port, one Ethernet port; support MODBUS slave protocol
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 UL61010-1 CE UL

roduct model

Model	Acquisition channel	Temperature control output	Alarm output	Input type
MCAS-06-NI	6-CH	Current (6-CH 0-20mA or 4-20mA)	Flag bit	TC, RTD
MCAS-06-NV	6-CH	Voltage (6-CH 0-1V 0-5V 0-10V or 1-5V)	Flag bit	TC, RTD
MCAS-08-NI	8-CH	Current (6-CH 0-20mA or 4-20mA)	Flag bit	TC, RTD
MCAS-08-NV	8-CH	Voltage (8-CH 0-1V 0-5V 0-10V or 1-5V)	Flag bit	TC, RTD
MCAS-08-NTT	8-CH	Transistor (8-CH)	Transistor (8-CH), flag bit	TC, RTD

MEGMEET

MZ800 Series Human Machine Interface





icture					
odel/Series	Z800-TT 0S 30W	Z800-TT 5S 3	Z800-TT07S 3	Z800-TT 0S 3	Z800-TT
isplay size	0. '' (6: 9 T T screen)	5.6'' (6: 9 T T screen)	7'' (6: 9 T T screen)	0. '' (6: 9 T T screen)	'' (6: 9 T T screen)
esolution	0 4x600	9 0x 080	800x480	0 4x600	9 0x 080
isplay material	T T color touch(screen)				
ffective display size (T/ / /)	85'/85'/85'/85'	85'/85'/85'/85'	50'/70'/70'/70'	85'/85'/85'/85'	85'/85'/80'/80'
rightness	400	50	360	400	50
isplay color	4-bit color	6-bit color	4-bit color		6-bit color
Touch screen	4-wire industrial resistance touch screen				lass+ lass projected multi-point capacitance touch screen
U	4-core . z ortex- 7	ortex- 8	600 z ortex- 8		800 z ortex- 8
emorizer	8 3+4	56 lash+5 3	8 lash+ 8 3		56 lash+ 56 3
T	uilt-in real-time clock				
thernet	30: one 3 : - 0 / 00 (daptive)	- 0 / 00 (daptive)	0 / 00 (daptive)		- 0 / 00 (daptive)
S card	Supported				
US port	ne US Slave .0; ne US ost .0				ne US evice .0; ne US ost .0
Serial interface	: S 3 / S485/ S4 : S485/ S4 3: S 3	3: S 3 / S485/ S4 ; : S48	/ : S 3 / S485/ S4 ; 3/ 4: S 3	: S 3 / S485/ S4 ; : S485/ S4 3: S 3	/ : S 3 / S485/ S4 ; 3/ 4: S 3
ated power	< 0W	< 8W	< 0W		< 0W
ated voltage	4V ranging from 9V to 8V		4V ranging 8V to 8V		
ower supply protection	ightning surge protection				
ower-lossing time	<5ms				
	onform to 6 000-6- : 005	6 000-6-4: 007 standard; onform to o S lightning surge± V group pulse± V; electrostatic contact 4 V air discharge8 V			
peration temperature	0-50	0-50	- 0-70	- 0~60	- 0-70
Storage temperature	- 0~60	- 0~60	-30-80	- 0~70	- 0~60
mbient humidity	0~90% (o condensation)				
Shake-resistance	0~ 5 z(X Y Z direction /30 min)				
rotection grade	The front panel conforms to 65 (with at cabinet installation				