



&



## PLC

MX600  
MC8000\*  
MC6000  
MC5000

## PLC

MU400  
MU300  
MU200  
MC700  
MC280/MC200E  
MC200  
MC100  
MC160X

## IO

MR400  
MC5000S

MDT  
MTC/MTCW/MTCV  
MTCE  
MCAS  
MQT

## MZ800

MZ800

# MX600

## MX600 Series Medium PLC

MX600 ProfiNet 256  $\mu$ s 99.999% EtherCAT EtherNET/IP 3C



### Resolution

- 16 /250 $\mu$ s 64 /500 $\mu$ s 256 /2ms 20 $\mu$ s

### IO

- 16 16 8 8 4 4 AB

### Code

- G-code

### Communication

- EtherCAT

### Ports

- 5 4 USB 5 1 HDM 1 DP

### Protocols

- EtherCAT OPC UA EtherNet/IP Profinet MODBUS RTU MODBUS TCP

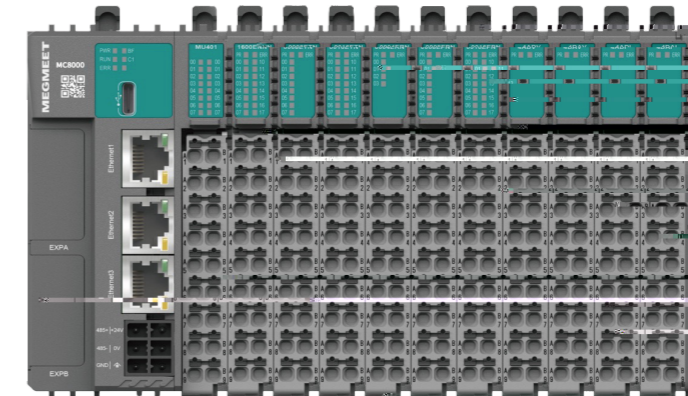
|             | MX610   | MX620  |
|-------------|---|--|
|             | 24V DC -15%~20%   |  |
| CPU         | N97 2GHz<br>8GB DDR4<br>128GB SSD   | I3-N305<br>16GB DDR4<br>256GB SSD                        |
| SPI FLASH   | 64Mbit  |  |
|             | 3 RS485<br>1 RS232  | 31 COM1,COM3,COM4,MODBUS<br>1 COM2 MODBUS-RTU            |
| EtherCAT *2 | 64+64 LAN1,LAN2<br>256  | 128+128 LAN1,LAN2<br>512                                 |
|             | 3 ModbusTCP /<br>1 EtherNet/IP /  | 63 /<br>64 32  |
|             |   | 1 Profinet RT<br>3 OPC UA                                |
| IO          | *8<br>*8<br>*8<br>*8  | 8 NPN/PNP<br>8 NPN<br>8 200KHZ AB 4 100KHZ<br>8 4 200KHZ |
|             | 4 EtherCAT 64+64<br>127 /<br>8 /CNC   | 4 EtherCAT 128+128<br>255<br>16 3                        |
|             | 8 IEC 61131-3 LD, ST, SFC, CFC  |  |
|             | 128M Byte<br>Data, Const: 128MB N Memory: 5 MB (%MVariable)M<br>Inputs: 128KB %I Outputs: 128KB %Q<br>Persisten: 6MB Retain: 1MB Reset Cold |  |
| mm          | 160* 55* 147  |  |
| kg          | <1.3kg  |  |
| SD          |   |  |
| EMC         | EN61131-2 Zone B  |  |

# MC8000

## MC8000 Series Medium PLC

MC8000 MEGMEET mOPAX PLC IEC61131-3  
LD ST SFC CFC FBD IL

EtherCAT Profinet



### Resolution

- 32 CAN RS485 RS232

- Modbus/EtherCAT/EtherNet IP/ Profinet

### Ports

- 1ms/16 32/64 EtherCAT 16/ EtherCAT

### Code

- 10M 20M 512KB

### IO

- A55 Modbus/EtherCAT/EtherNet IP/ Profinet  
• 8 200K 8 200K + AB

### Dimensions

- 12mm  
• PUSH in



## MC5000

| CPU        |     |            |   |    |          |            |
|------------|-----|------------|---|----|----------|------------|
| IO         |     |            |   |    |          |            |
| MC5200E    | :16 | :16        |   |    | -        | :          |
| MC5100EA   | :4  | 200K       | 3 | 1M | :4       | 6          |
| MC5101EB   | :8  | ( 4 200K ) |   |    | :8       | ( 4 200K ) |
| MC5000E8   | :16 | :16        |   |    | EtherCAT | 8          |
| MC5000E16  | :16 | :16        |   |    | EtherCAT | 16         |
| MC5000E32  | :16 | :16        |   |    | EtherCAT | 32         |
| MC5000E64  | :16 | :16        |   |    | EtherCAT | 64         |
| MC5001EB8  | :8  | ( 4 200K ) |   |    | :8       | ( 4 200K ) |
| MC5001EB16 | :8  | ( 4 200K ) |   |    | :8       | ( 4 200K ) |
| MC5001EB32 | :8  | ( 4 200K ) |   |    | :8       | ( 4 200K ) |
| MC5001EB64 | :8  | ( 4 200K ) |   |    | :8       | ( 4 200K ) |
| MC5000EA8  | :4  | 200K       | 3 | 1M | :4       | 6          |
| MC5000EA16 | :4  | 200K       | 3 | 1M | :4       | 6          |
| MC5000EA32 | :4  | 200K       | 3 | 1M | :4       | 6          |
| MC5000EA64 | :4  | 200K       | 3 | 1M | :4       | 6          |

## MC6000&MC5000

## /5000S

## IO

| MP50AC220            |             |        |     |   |             |  |
|----------------------|-------------|--------|-----|---|-------------|--|
| 100-240VAC 24V/2A AC |             |        |     |   |             |  |
| IO                   |             |        |     |   |             |  |
| MC5000-3232ETN       | 32          | 24VDC  | /32 |   |             |  |
| MC5000-1616ETN       | 16          | 24VDC  | /16 |   |             |  |
| MC5000-3200ENN       | 32          | 24VDC  |     |   |             |  |
| MC5000-0032ETN       | 32          |        |     |   |             |  |
| MC5000-6400ENN       | 64          | 24VDC  |     |   |             |  |
| MC5000-0064ETN       | 64          |        |     |   |             |  |
| MC5000-1600ENN-T     | 16          | 24VDC  |     |   |             |  |
| MC5000-0016ERN-T     | 16          |        |     |   |             |  |
| MC5000-0016ETN-T     | 16          |        |     |   |             |  |
| MC5000-3200ENN-P     | 32          | IO     |     |   |             |  |
| MC5000-0032ETN-P     | 32          | IO     |     |   |             |  |
| MC5000-1616ETN-PH    | 16          | 24VDC  | /16 | 4 |             |  |
| MC5000-1600ENN-P     | 16          | IO     |     |   |             |  |
| MC5000-0016ETN-P     | 16          | IO     |     |   |             |  |
| MC5000-0016ERN-P     | 16          |        |     |   |             |  |
| MC5000-0014EPN-P     | 14          |        |     |   |             |  |
| MC5000-8PO           | 8           | 200KHZ | 1   | 4 | MC5000      |  |
| MC5000-4AD/8AD       | 4           | 8      |     |   |             |  |
| MC5000-4DA           | 4           |        |     |   |             |  |
| MC5000-4PT           | 4           |        |     |   |             |  |
| MC5000-4TC/8TC       | 4           | 8      |     |   |             |  |
| MC5000-2WT*          | 2           |        |     |   |             |  |
| MC5000-4DA-P         | 4           |        |     |   |             |  |
| MC5000-6AD-P         | 6           |        |     |   |             |  |
| MC5000-8TC-P         | 8           |        |     |   |             |  |
| IO                   |             |        |     |   |             |  |
| MC5000S-ET           | EtherCAT    |        |     |   | EtherCAT    |  |
| MC5000S-EIP          | EtherNet/IP |        |     |   | EtherNet/IP |  |
| MC5000S-PN           | ProfiNet    |        |     |   | ProfiNet    |  |
| MCA05-100L           | 1m          |        |     |   |             |  |
| MCA05-150L           | 1.5m        |        |     |   |             |  |
| MCA15-40P            | 40PIN       |        |     |   |             |  |

## MU400

### MU400 Series Small PLC

MU400

12mm

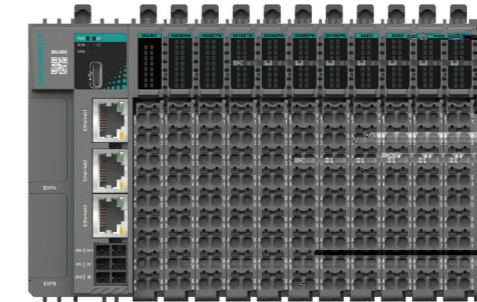
mOPAX

16

PLC

IEC-61121-3/PLCopen

LD ST FBD



### 16

- 2
- CAN RS485 RS232

### 8 200K + 8 200K AB

- 8 200K
- 8 200K
- + AB

### EtherCAT

- 2ms/4
- EtherCAT 8

### 12mm

- PUSH in
- 

|       |   |       |   |     |   | x                   | x |
|-------|---|-------|---|-----|---|---------------------|---|
| MU401 | 8 | DC24V | 8 | -16 | 4 | 105mm x 90mm x 85mm |   |
| MU402 | 8 | DC24V | 8 | -8  | 4 |                     |   |

|               |    |     |  |   |  | x                       | x |
|---------------|----|-----|--|---|--|-------------------------|---|
| MR400-4ADI    |    |     |  | 4 |  | 80.7mm x 15.7mm x 107mm |   |
| MR400-4ADV    |    |     |  | 4 |  |                         |   |
| MR400-4DAI    |    |     |  | 4 |  |                         |   |
| MR400-4DAV    |    |     |  | 4 |  |                         |   |
| MR400-0004ERN |    |     |  | 4 |  |                         |   |
| MR400-0008EPN | 8  | PNP |  |   |  |                         |   |
| MR400-0008ETN | 8  | NPN |  |   |  |                         |   |
| MR400-0016EPN | 16 | PNP |  |   |  |                         |   |
| MR400-0016ETN | 16 | NPN |  |   |  |                         |   |
| MR400-0800ENN | 8  |     |  |   |  |                         |   |
| MR400-1600ENN | 16 |     |  |   |  |                         |   |
| MR400-P2000   |    |     |  |   |  |                         |   |

# MU300

MU300 Series Small PLC

MU300 MEGMEET PLC CPU EtherCAT/CANopen

3C



- IO 240
- 12 2

- EtherCAT**
- 500μs, 16
  - 1\*EtherCAT+2\*EtherNet 32

- ARM+FPGA
- 8 200K 4 100K AB CW/CCW +

- MODBUS CAN CANopen
- EtherNet/IP USB MODBUS-TCP
- 5 Socket 20 USB

## AC

|                 |          |    |     |   | x x                 |
|-----------------|----------|----|-----|---|---------------------|
| MJ300-0808BTA16 | 8 DC24V  | 8  | -16 | 4 | 105mm x 90mm x 85mm |
| MJ300-0808BTA8  | 8 DC24V  | 8  | -8  | 4 |                     |
| MJ300-1210BTA16 | 12 DC24V | 10 | -16 | 4 |                     |
| MJ300-1210BTA8  | 12 DC24V | 10 | -8  | 4 |                     |
| MJ300-1210BRA16 | 12 DC24V | 10 | -16 |   | 180mm x 90mm x 85mm |
| MJ300-1210BRA8  | 12 DC24V | 10 | -8  |   |                     |
| MJ300-2424BTA16 | 24 DC24V | 24 | -16 | 8 | 180mm x 90mm x 85mm |
| MJ300-2424BTA8  | 24 DC24V | 24 | -8  | 8 |                     |

# MU200

MU200 Series Small PLC

MU200 12 200K PLC ARM+FPGA 8 RS232/RS485/3C



- MODBUS CAN
- CANopen
- USB , MODBUS-TCP , 5
- Socket 20

- IO 272
- 12 2

- ARM+FPGA
- 12 200K 8

- C

## AC

|               |          |    | x x                 |
|---------------|----------|----|---------------------|
| MU200-4040BTA | 40 DC24V | 40 | 246mm x 90mm x 85mm |
| MU200-4040BRA | 40 DC24V | 40 |                     |
| MU200-3232BTA | 32 DC24V | 32 | 210mm x 90mm x 85mm |
| MU200-3232BRA | 32 DC24V | 32 |                     |
| MU200-2424BTA | 24 DC24V | 24 | 180mm x 90mm x 85mm |
| MU200-2424BRA | 24 DC24V | 24 |                     |
| MU200-1616BTA | 16 DC24V | 16 | 145mm x 90mm x 85mm |
| MU200-1616BRA | 16 DC24V | 16 |                     |

# IO

## MU 300/MU 200

|               |          | x | x |
|---------------|----------|---|---|
| MJ200-0016ERN | 16       |   |   |
| MJ200-0016ETN | 16       |   |   |
| MJ200-1600ENN | 16 DC24V |   |   |
| MJ200-0808ERN | 8 DC24V  | 8 |   |
| MJ200-0808ETN | 8 DC24V  | 8 |   |

60mm x 90mm x 85mm

## MU 300/MU 200

|           |   | x | x |
|-----------|---|---|---|
| MJ200-4AD | 4 |   |   |
| MJ200-4DA | 4 |   |   |
| MJ200-8AD | 8 |   |   |
| MJ200-8TC | 8 |   |   |
| MJ200-4PT | 4 |   |   |

60mm x 90mm x 85mm

## MU 300/MU 200

|           |        | x | x |
|-----------|--------|---|---|
| MJE-4X    | 4 IO   |   |   |
| MJE-4Y    | 4 IO   |   |   |
| MJE-4XY   | 2 2 IO |   |   |
| MJE-2AD   | 2      |   |   |
| MJE-2DA   | 2      |   |   |
| MJE-2AM   | 1      |   |   |
| MJE-RS232 | RS232  |   |   |
| MJE-RS485 | RS485  |   |   |
| MJE-CAN   | CAN    |   |   |

38mm x 46.4mm x 11.5mm

# MC700

## MC700 Series Motion Controller

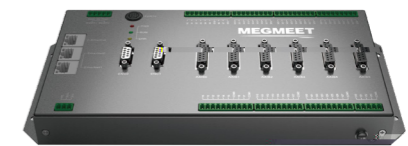
MC700

EtherCat

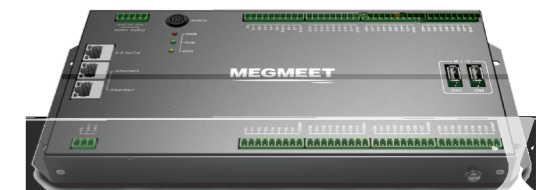
C



- EtherCat
- 6 2M 2 2M
- 6 200K 6 200K
- CAD



- 2 RS485 1 RS232 SD



- 320K C 2MByte 2MByte

|    |          | MC700P6              | MC700E    |
|----|----------|----------------------|-----------|
|    | x x      | 260mm x 140mm x 27mm |           |
|    | Ethernet | 24V                  |           |
|    | RS485    | 2                    | 2         |
|    | RS232    | 1                    | 1         |
| 10 | 200KHz   | 6 2M                 | 4 200KHz  |
| IO |          | 6                    | 6         |
|    |          | 22                   | 24        |
|    |          | 22                   | 26        |
|    |          | 6                    | EtherCAT  |
|    |          | EIA/TIA-485          | -         |
|    |          | 2MHz                 | -         |
|    |          | AB / +               | -         |
|    | EtherCAT | COE                  | IO 250us  |
|    |          |                      | 320K      |
|    | C        |                      | 2Mbyte    |
|    | SD       |                      | 2Mbyte    |
|    |          |                      | 2ms/100K  |
|    | C        |                      | 2400dmips |
|    |          |                      | 32        |
|    |          |                      |           |
|    | G        |                      |           |
|    | CAD      |                      |           |
|    | C        |                      |           |
| C  |          | C                    | C         |



# MC200

## MC200 Series Small PLC

MC200



### MC200-2012 Series

- 12K
- 0.09μs

### MC200-3232 Series

- 85V~280V
- 
- 

### MC200-4040 Series

- 8

### MC200-1616 Series

- IO 512
- 8
- IO

### MC200-0808 Series

- MCBUS MODBUS OPC
- CAN CANopen
- Ethernet MODBUS TCP/IP

## AC

|               |          | x  | x                   |
|---------------|----------|----|---------------------|
| MC200-2012BRA | 20 24VDC | 12 | 158mm x 90mm x 82mm |
| MC200-2012BTA | 20 24VDC | 12 |                     |
| MC200-3232BRA | 32 24VDC | 32 | 228mm x 90mm x 82mm |
| MC200-3232BTA | 32 24VDC | 32 |                     |
| MC200-4040BRA | 40 24VDC | 40 | 275mm x 90mm x 82mm |
| MC200-4040BTA | 40 24VDC | 40 |                     |

## IO

## MC280/MC200E/MC200

|               |          | x  | x                   |
|---------------|----------|----|---------------------|
| MC200-0800ENN | 8 24VDC  |    | 58mm x 90mm x 82mm  |
| MC200-1600ENN | 16 24VDC |    |                     |
| MC200-0008ERN | 8        |    |                     |
| MC200-0008ETN | 8        |    |                     |
| MC200-0808ERN | 8 24VDC  | 8  |                     |
| MC200-0808ETN | 8 24VDC  | 8  |                     |
| MC200-0016ERN | 16       |    | 158mm x 90mm x 82mm |
| MC200-0016ETN | 16       |    |                     |
| MC200-1616ERN | 16 24VDC | 16 |                     |
| MC200-1616ETN | 16 24VDC | 16 |                     |
| MC200-1616ERA | 16 24VDC | 16 |                     |
| MC200-1616ETA | 16 24VDC | 16 |                     |

## MC280/MC200E/MC200

|                     |     | x               | x                  |
|---------------------|-----|-----------------|--------------------|
| MC200-2AD MC200-4AD | 2 4 |                 | 58mm x 90mm x 82mm |
| MC200-2DA MC200-4DA | 2 4 |                 |                    |
| MC200-8AD           | 8   |                 |                    |
| MC200-4AM           | 2   | 2               |                    |
| MC200-5AM           | 4   | 1               |                    |
| MC200-2TC MC200-4TC | 2 4 |                 |                    |
| MC200-8TC           | 8   |                 |                    |
| MC200-2PT MC200-4PT | 2 4 |                 |                    |
| MC200-2HC           | 2   | 200K 100K 1 20K |                    |

## MC280/MC200E/MC200

|             |         | x | x                  |
|-------------|---------|---|--------------------|
| MC200-CPM   | CANopen |   | 58mm x 90mm x 82mm |
| MC200-CAN   | CAN     |   |                    |
| MC200-RS485 | RS485   |   |                    |
| MC200-WEN   |         |   |                    |

# MC100

## MC100 Series Micro PLC

MC100

PLC 16-60



- 16K
- 0.3μs
- 4
- 6
- 50KHz 2 100KHz
- 8
- MCBUS
- MODBUS
- OPC

|                |    | mm    |    | x      |     | x    |   |
|----------------|----|-------|----|--------|-----|------|---|
| AC             |    |       |    |        |     |      |   |
| MC100-1006BRA  | 10 | 24VDC | 6  | 135x   | 90x | 79.2 |   |
| MC100-1006BTA  | 10 | 24VDC | 6  |        |     |      |   |
| MC100-1410BRA  | 14 | 24VDC | 10 |        |     |      |   |
| MC100-1410BTA  | 14 | 24VDC | 10 |        |     |      |   |
| MC100-1614BRA  | 16 | 24VDC | 14 | 150x   | 90x | 79.2 |   |
| MC100-1614BTA  | 16 | 24VDC | 14 |        |     |      |   |
| MC100-1614BRA1 | 16 | 24VDC | 14 | 182x   | 90x | 79.2 | 2 |
| MC100-1614BTA1 | 16 | 24VDC | 14 |        |     |      |   |
| MC100-2416BRA  | 24 | 24VDC | 16 | 224.5x | 90x | 79.2 |   |
| MC100-2416BTA  | 24 | 24VDC | 16 |        |     |      |   |
| MC100-3624BRA  | 36 | 24VDC | 24 |        |     |      |   |
| MC100-3624BTA  | 36 | 24VDC | 24 |        |     |      |   |
| DC             |    |       |    |        |     |      |   |
| MC100-1006BRD  | 10 | 24VDC | 6  | 135x   | 90x | 79.2 |   |
| MC100-1006BTD  | 10 | 24VDC | 6  |        |     |      |   |
| MC100-1410BRD  | 14 | 24VDC | 10 |        |     |      |   |
| MC100-1410BTD  | 14 | 24VDC | 10 |        |     |      |   |
| MC100-1614BRD  | 16 | 24VDC | 14 | 150x   | 90x | 79.2 |   |
| MC100-1614BTD  | 16 | 24VDC | 14 |        |     |      |   |
| MC100-2416BRD  | 24 | 24VDC | 16 | 182x   | 90x | 79.2 |   |
| MC100-2416BTD  | 24 | 24VDC | 16 |        |     |      |   |
| MC100-3624BRD  | 36 | 24VDC | 24 | 224.5x | 90x | 79.2 |   |
| MC100-3624BTD  | 36 | 24VDC | 24 |        |     |      |   |

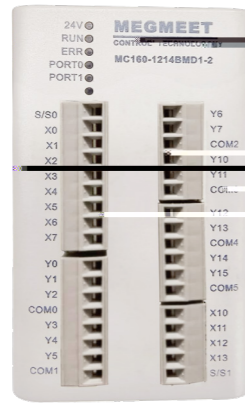
|               |    | mm    |     | x   |      | x |  |   |
|---------------|----|-------|-----|-----|------|---|--|---|
| IO            |    |       |     |     |      |   |  |   |
| MC100-0800ENN | 8  | 24VDC | 61x | 90x | 73.1 |   |  |   |
| MC100-1600ENN | 16 | 24VDC |     |     |      |   |  |   |
| MC100-0008ERN | 8  |       |     |     |      |   |  |   |
| MC100-0008ETN | 8  |       |     |     |      |   |  |   |
| MC100-0016ERN | 16 |       |     |     |      |   |  |   |
| MC100-0016ETN | 16 |       |     |     |      |   |  |   |
| MC100-0808ERN | 8  | 24VDC |     |     |      |   |  | 8 |
| MC100-0808ETN | 8  | 24VDC |     |     |      |   |  | 8 |
| Analog        |    |       |     |     |      |   |  |   |
| MC100-2AD     | 2  |       | 61x | 90x | 73.1 |   |  |   |
| MC100-2DA     | 2  |       |     |     |      |   |  |   |
| MC100-4AD     | 4  |       |     |     |      |   |  |   |
| MC100-4DA     | 4  |       |     |     |      |   |  |   |
| MC100-5AM     | 4  |       |     |     |      |   |  | 1 |
| MC100-2TC     | 2  |       |     |     |      |   |  |   |
| MC100-4TC     | 4  |       |     |     |      |   |  |   |
| MC100-2PT     | 2  |       |     |     |      |   |  |   |
| MC100-4PT     | 4  |       |     |     |      |   |  |   |
| MC100-1WT     | 1  |       |     |     |      |   |  |   |
| MC100-2WT     | 2  |       |     |     |      |   |  |   |

|                 |              | mm    |       | x     |  | x |                |
|-----------------|--------------|-------|-------|-------|--|---|----------------|
| PLC             |              |       |       |       |  |   |                |
| MCA200-CA10     | PLC          | USB   | 2m    |       |  |   | USB-MiniDin8   |
| MCA200-CA01     | PLC          | RS232 | 2m    |       |  |   | DB9F-MiniDin8  |
| MCA200-CA02     | PLC          | RS232 | 2m    |       |  |   | DB9F-MiniDin8  |
| MCA200-CA17     | PLC          | RS485 | 2m    | MC280 |  |   | USB-MiniDin8   |
| MCA200-CA18     | PLC          | RS485 | 2m    |       |  |   | MiniDin8-RS485 |
| MCA200-CA11     | USB          | RS232 | 2m    |       |  |   | USB-DB9M       |
| MCA200-CA04     | MC200        |       | 0.65m |       |  |   | ( ) ( )        |
| MCA200-CA05     | MC200        |       | 2m    |       |  |   | ( ) ( )        |
| Cable           |              |       |       |       |  |   |                |
| MCA200-CA09     | MZ600        | PLC   | RS232 | 3.5m  |  |   | DB9M-MiniDin8  |
| MCA200-CA14     | MZ600        | PLC   | RS232 | 2m    |  |   | DB9M-MiniDin8  |
| MCA200-CA16     | MZ800        | PLC   | RS232 | 8m    |  |   | DB9M-MiniDin8  |
| MCA200-CA01     | MZ800        | PLC   | RS232 | 2m    |  |   | DB9M-MiniDin8  |
| Expansion       |              |       |       |       |  |   |                |
| MCA200-CA12     | MC120/MC160/ |       | 2m    |       |  |   | USB-RS485      |
| MCA200-CA13     | /            |       | 2m    |       |  |   | USB-RJ45       |
| MCA200-UDM01SL1 | MCA200-UDM01 | PLC   |       |       |  |   | RJ45-MiniDin8  |

# MC160X

MC160X Series Economical & Practical PLC

MC160X



- 40KHz, AB 15KHz
- 3 100KHz



- 6 2 0-20mA 4 /
- 0-20mA/0-10V
- 4 0-20mA/0-10V



- 2 RS485



- 4 PT100

|                   |          |    |             |  | X X                        |
|-------------------|----------|----|-------------|--|----------------------------|
| MC160X-0806BTD1-2 | 8 24VDC  | 6  | 4AD 2DA     |  | 111.1mm x 45.6mm x 114.8mm |
| MC160X-1206BTD1-2 | 12 24VDC | 6  | 4AD 6DA     |  |                            |
| MC160X-0806BTD7-2 | 8 24VDC  | 10 | 4AD 2DA 4PT |  |                            |
| MC160X-1414BTD1-2 | 14 24VDC | 6  | 4AD 2DA     |  |                            |
| MC160X-1214BMD1-2 | 12 24VDC | 6  | 8 4AD 2DA   |  |                            |

# MC5000S

# I/O

MC5000S Series Remote I/O Module

MC5000S I/O MEGMEET I/O

- 
- 
- 
- 12
- 
- 
- 



1-12 MC5000

|     | MC5000S-ET   | MC5000S-EIP              | MC5000S-PN               |
|-----|--|--------------------------|--------------------------|
|     |  | 24VDC -15% ~ +20%        |                          |
| x x | 100mm x 34mm x 113mm   | 102mm x 52.2mm x 110.5mm | 102mm x 52.2mm x 110.5mm |
| IO  | 12   |                          |                          |
|     | 0.5ms  |                          |                          |
|     | EtherCAT Slave   | Ethernet/IP Slave        | Profinet Slave           |
|     | 100Mbps  |                          |                          |
|     | 100M   |                          |                          |
|     | 1ms  |                          |                          |
|     | <ul style="list-style-type: none"> <li>• MC5000 MC6000 PLC</li> <li>• Beckho Siemens PLC</li> <li>• Mitsubishi KEYENCE Omron PLC</li> <li>• Codesys PLC</li> </ul> |                          |                          |

# MDT

MDT Series Temperature Controller

MDT LED 50Hz/60Hz 2 2

500VDC

- MtcCompanion /
- 

- 

|  |   |           |         |       |
|--|---|-----------|---------|-------|
|  | 24VDC -15% ~ 20%                                  |           |         |       |
|  | K J E N T R B                                     |           |         |       |
|  | Pt100 JPt100 Cu100 Ni120                          |           |         |       |
|  | 0.2%  | +         | 0.3%    |       |
|  | 25ms/   | 100ms/8   | 100ms/4 |       |
|  | SSR   |           |         |       |
|  | ON/OFF  | PID       | PID     | PID   |
|  | 14  |           |         |       |
|  | 1/2   |           |         |       |
|  | 0.1s - 10s  | 1s - 100s |         |       |
|  | 1/2   |           |         |       |
|  | 1   | RS485     | MODBUS  | MCBUS |
|  | 10-90% RH   |           |         |       |
|  | o H   |           |         |       |
|  | 2000m   |           |         |       |
|  | IP20  |           |         |       |
|  | IEC/EN 61326-1 For use in industrial locations CE |           |         |       |

|           |   |  |  |
|-----------|---|--|--|
| MDT-01R-R | 1 |  |  |
| MDT-01R-T | 1 |  |  |
| MDT-01T-R | 1 |  |  |
| MDT-01T-T | 1 |  |  |
| MDT-02R-R | 2 |  |  |
| MDT-02R-T | 2 |  |  |
| MDT-02T-R | 2 |  |  |
| MDT-02T-T | 2 |  |  |

# MTC/MTCW/MTCV

## MTC/MTCW/MTCV Series Temperature Controller

MTC/MTCW/MTCV

(1 12 16 )

- MtcCompanion
- PID
- 
- 
- 

MtcCompanion

/

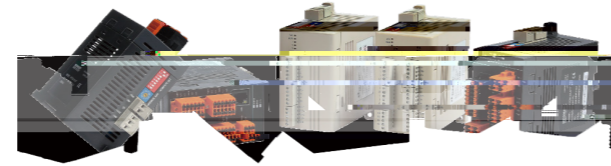
PID

14

12

PLC

HMI



|    |          |  |                 |
|----|----------|--|-----------------|
|    |          | 24VDC -15% ~ 20%   |                 |
|    |          | K J E N T R B  |                 |
|    |          | Pt100 JPt100 Cu100 Ni120                                       |                 |
|    |          | 0.2%   | 0.3%            |
|    |          | 25ms/  | 100ms/8 100ms/4 |
|    |          | SSR  |                 |
|    |          | ON/OFF   | PID PID PID     |
|    |          | 14   |                 |
|    |          | 8  |                 |
| IO |          | 4  |                 |
|    |          | 0.1s - 10s   | 1s - 100s       |
|    |          | 4  | 8               |
|    |          | MTCV   |                 |
|    | MTC/MTCV | RS485  | MODBUS MCBUS    |
|    | MTCW     | RS485  | RS485 MODBUS    |
|    |          | -20~60   | -40~70          |
|    |          | 10~90%RH   | 5~95%RH         |
|    |          | 2000m  |                 |
|    |          | IP20   |                 |
|    |          | IEC/EN 61326-1 For use in industrial locations UL61010-1 CE UL |                 |

### MTC

|            |   |   |      |  |
|------------|---|---|------|--|
| MTC-04-NT  | 4 | (4 )  |      |  |
| MTC-08-NT  | 8 | (8 )  |      |  |
| MTC-04-NTT | 4 | (4 )  | (8 ) |  |
| MTC-04-NTR | 4 | (4 ) (8 )   | (8 ) |  |
| MTC-04-NVT | 4 | (4 )<br>(8 0-20mA 4-20mA )<br>(8 0-1V 0-5V 0-10V 1-5V ) | (4 ) |  |

### MTCW

2 RS485

|             |    |                           |      |      |
|-------------|----|---------------------------|------|------|
| MTCW-04-NTT | 4  | (4 )                      | (4 ) |      |
| MTCW-04-NI  | 4  | (4 0-20mA 4-20mA )        |      |      |
| MTCW-04-NV  | 4  | (4 0-1V 0-5V 0-10V 1-5V ) |      |      |
| MTCW-08-NN  | 8  |                           |      |      |
| MTCW-08-NI  | 8  | (8 0-20mA 4-20mA )        |      |      |
| MTCW-08-NV  | 8  | (8 0-1V 0-5V 0-10V 1-5V ) |      |      |
| MTCW-08-NTT | 8  | (8 )                      | (8 ) |      |
| MTCW-12-NT  | 12 | (12 )                     |      |      |
| MTCW-16-NN  | 16 |                           |      |      |
| MTCW-08-CT  | 8  | (8 )                      |      | (8 ) |
| MTCW-08-NTD | 8  | (8 ) (8 )                 |      |      |

### MTCV

1 RS485

|            |    |       |  |  |
|------------|----|-------|--|--|
| MTCV-16-NT | 16 | (16 ) |  |  |
| MTCV-08-NT | 8  | (8 )  |  |  |

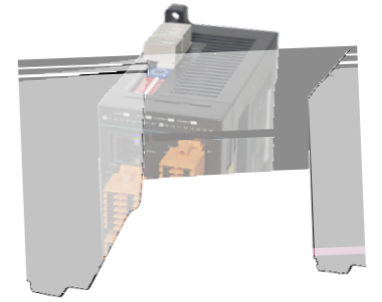
MTCE

EtherCat



EtherCat

± 0.15 ± 0.2  
0.1 1ms PID



|  |   |           |         |     |
|--|---|-----------|---------|-----|
|  | 24VDC -15% ~ 20%                                  |           |         |     |
|  | K J E N T R B                                     |           |         |     |
|  | Pt100 JPt100 Cu100 Ni120                          |           |         |     |
|  | 0.15%   | +         | 0.3%    |     |
|  | 25ms/   | 100ms/8   | 100ms/4 |     |
|  | SSR   |           |         |     |
|  | 10  |           |         |     |
|  | ON/OFF  | PID       | PID     | PID |
|  | 14  |           |         |     |
|  | SSR   |           |         |     |
|  | 10  |           |         |     |
|  | 0.1s - 10s  | 1s - 100s |         |     |
|  | 10  |           |         |     |
|  | EtherCAT  |           |         |     |
|  | -20-60  | -40-70    |         |     |
|  | 10-90% RH   | 5-95% RH  |         |     |
|  | 2000m   |           |         |     |
|  | IP20  |           |         |     |
|  | IEC/EN 61326-1 For use in industrial locations CE |           |         |     |

|  |                          |           |         |     |
|--|--------------------------|-----------|---------|-----|
|  | 24VDC -15% ~ 20%         |           |         |     |
|  | K J E N T R B            |           |         |     |
|  | Pt100 JPt100 Cu100 Ni120 |           |         |     |
|  | 0.15%                    | +         | 0.3%    |     |
|  | 25ms/                    | 100ms/8   | 100ms/4 |     |
|  | SSR                      |           |         |     |
|  | 4/8                      |           |         |     |
|  | ON/OFF                   | PID       | PID     | PID |
|  | 14                       |           |         |     |
|  | SSR                      |           |         |     |
|  | 4/8                      |           |         |     |
|  | 0.1s - 10s               | 1s - 100s |         |     |
|  | 6/8                      |           |         |     |
|  | 10-90% RH                |           |         |     |
|  | H                        | ⊗ RHH     | OF      |     |

|             |    |  |  |  |
|-------------|----|--|--|--|
| MTCE-10T-NT | 10 |  |  |  |
| MTCE-10R-NT | 10 |  |  |  |

|             |   |                           |      |  |
|-------------|---|---------------------------|------|--|
| MCAS-06-NI  | 6 | (6 0-20mA 4-20mA )        |      |  |
| MCAS-06-NV  | 6 | (6 0-1V 0-5V 0-10V 1-5V ) |      |  |
| MCAS-08-NI  | 8 | (6 0-20mA 4-20mA )        |      |  |
| MCAS-08-NV  | 8 | (8 0-1V 0-5V 0-10V 1-5V ) |      |  |
| MCAS-08-NTT | 8 | (8 )                      | (8 ) |  |

# MQT

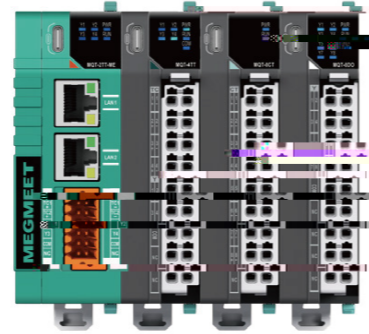
## MQT Series Temperature Controller

MQT

PID



± 0.15  
 0.1 PID  
 PID  
 PUSH IN  
 CT



|   |                 |
|---|-----------------|
| 24VDC -15% ~ 20%                                  |                 |
| K J E N T R B                                     |                 |
| Pt100 JPt100 Cu100 Ni120                          |                 |
| 0.15%   | +               |
| 0.3%  |                 |
| 25ms/   | 100ms/8 100ms/4 |
| SSR   |                 |
| ON/OFF  | PID PID PID     |
| 14  |                 |
| 8   |                 |
| 4   |                 |
| 0.1s - 10s  | 1s - 100s       |
| 4   | 8               |
| RS485/Modbus-TCP/EtherNet/EtherCAT/Profinet       |                 |
| -20~60  | -40~70          |
| 10~90% RH   | 5~95% RH        |
| 2000m   |                 |
| IP20  |                 |
| IEC/EN 61326-1 For use in industrial locations CE |                 |

| MQT        |   |                        |      |           |
|------------|---|------------------------|------|-----------|
| MQT-2TT-ME | 2 | Modbus TCP/IP/Ethernet | (4 ) |           |
| MQT-2RT-ME | 2 | Modbus TCP/IP/Ethernet | (4 ) |           |
| MQT-2TT-ET | 2 | EtherCAT               | (4 ) |           |
| MQT-2RT-ET | 2 | EtherCAT               | (4 ) |           |
| MQT-2TT-RS | 2 | Modbus RS485           | (4 ) |           |
| MQT-2RT-RS | 2 | Modbus RS485           | (4 ) |           |
| MQT-2TT-PN | 2 | Profinet               | (4 ) |           |
| MQT-2RT-PN | 2 | Profinet               | (4 ) |           |
| MQT        |   |                        |      |           |
| MQT-4TT    | 4 | Modbus RS485           | (4 ) |           |
| MQT-4TA    | 4 | Modbus RS485           | (4 ) |           |
| MQT-4TR    | 4 | Modbus RS485           | (4 ) |           |
| MQT-4RT    | 4 | Modbus RS485           | (4 ) |           |
| MQT-4RA    | 4 | Modbus RS485           | (4 ) |           |
| MQT-4RR    | 4 | Modbus RS485           | (4 ) |           |
| MQT        |   |                        |      |           |
| MQT-8DI    | 8 | 8                      | -    | (8 )      |
| MQT-8DO    | 8 | 8                      | (8 ) | -         |
| MQT-8CT    | 8 | 8                      | -    |           |
| MQT-8DM    | 8 | 4                      | 4    | (4 ) (4 ) |
| MQT-8AI    | 8 | 8                      | -    | (8 )      |
| MQT-8AV    | 8 | 8                      | -    | (8 )      |
| MQT-8AO    | 8 | 8                      | (8 ) | -         |

# MZ800




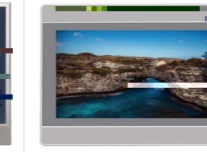

## MZ800 Series Human-Machine Interface

MZ800

PLC G

PLC

|         |   |   |   |  |   |
|---------|---|---|---|--|---|
|         |  |  |  |  |  |
|         | MZ800-TT05SK30/31   | MZ800-TT107SK30   | MZ800-TT207SK30/31  | MZ800-TT207SK30/31W  | MZ800-TT210SK30/31  |
|         | 4.3 16:9TFT LCD   | 7 16:9TFT LCD   | 7 16:9TFT LCD   | 7 16:9TFT LCD  | 10.1 16:9TFT LCD  |
|         | 480x 272  | 800x 480  | 1024 x 600  |  |   |
|         | TFT (LCD )  |   |   |  |   |
| T/B/L/R | 50 70 70 70   | 50 70 70 70   | 30:50 70 70 70<br>30:85 85 85 85  | 85 85 85 85  | 85 85 85 85   |
|         | 30:360/31:300   | 250   | 30:360/31:450   | 350  | 400   |
|         | 24  | 16  | 24  |  |   |
|         | 4   |   |   |  |   |
|         | 600MHz ARM Cortex-A8  | 720MHz ARM  | 1.2GHz ARM Cortex-A7  |  |   |
|         | 128MB Flash+ 128MB DDR3   | 64MB RAM+ 128MB Flash   | 128MB DDR3+4GB EMMC   |  |   |
| RTC     | 30: 31:10M/100M   |   |   |  |   |
| SD      | 30: 31:   |   |   |  |   |
| USB     | 1 USB Slave 2.0 1 USB Host 2.0  |   |   |  |   |
|         | COM1: RS232/RS485/RS422<br>COM3: RS232  |   | COM1: RS232/RS485/RS422<br>COM2: RS485/RS422 COM3: RS232                          |  |   |
|         | 5W  | 10W   |   |  |   |
|         | DC24V   |   | DC 9V~28V   |  |   |
|         | 5ms   |   |   |  |   |
| CE      | EN61000-6-2:2005  | EN61000-6-4:2007  | RoHS  | ± 1KV  | ± 2KV 4KV 8KV   |
|         | 30:-20-50 /31:-25-75  | 0-50  |   |  |   |
|         | 30:-25-60 /31:-30-80  | -20-60  |   |  |   |
|         | 10-90%RH ( )  |   |   |  |   |
|         | 10-25Hz (X Y Z 2G/30 )  |   |   |  |   |
|         | IP65 ( )  |   | IP20  |  |   |
|         | 30:<br>31: +  |   |   |  |   |
|         | 30:130x104x32<br>31:130x104x43  | 204 x 145 x 33.8  |   |  | 273 x 213 x 36  |
|         | 120 x 93  | 192 x 138   |   |  | 260 x 202   |

|         |   |   |   |   |   |
|---------|---|---|---|---|---|
|         |  |  |  |  |  |
|         | MZ800-TT210SK30W  | MZ800-TT215SK31   | MZ800-TT07SK31M   | MZ800-TT210SK31M  | MZ800-TT22P   |
|         | 10.1 16:9TFT LCD  | 15.6 16:9TFT LCD  | 7 16:9TFT LCD   | 10.1 16:9TFT LCD  | 22 16:9TFT LCD  |
|         | 1024 x 600  | 1920x 1080  | 800 x 480   | 1024 x 600  | 1920x 1080  |
|         | TFT (LCD )  |   |   |   |   |
| T/B/L/R | 85 85 85 85   | 85 85 85 85   | 50 70 70 70   | 85 85 85 85   | 85 85 80 80   |
|         | 400   | 250   | 360   | 400   | 250   |
|         | 24  | 16  | 24  |   | 16  |
|         | 4   |   |   |   |   |
|         | 1.2GHz ARM Cortex-A7  | 1G ARM Cortex-A8  | 600MHz ARM Cortex-A8  |   | 800MHz ARM Cortex-A8  |
|         | 128MB DDR3+4GB EMMC   | 256MB Flash+512MB DDR3  | 128MFlash+128MDDR3  |   | 256MB Flash+256MB DDR3  |
| RTC     | 30: 31:1 10M/100M   |   |   |   |   |
| SD      | 30: 31:1 10M/100M   | 2 10M/100M  | 10M/100M  |   | 1 10M/100M  |
| USB     | 1 USB Slave 2.0 1 USB Host 2.0  |   |   |   |   |
|         | COM1: RS232/RS485/RS422<br>COM2: RS485/RS422<br>COM3: RS232                         | COM3: RS232/RS485/RS422<br>COM2: RS485  | COM1/COM2:<br>RS232/RS485/RS422<br>COM3/COM4: RS232                                 | COM1: RS232/RS485/RS422<br>COM2: RS485/RS422<br>COM3: RS232                         | COM1/COM2:<br>RS232/RS485/RS422<br>COM3/COM4: RS232                                 |
|         | 10W   | 18W   | 10W   |   | 20W   |
|         | DC24V   | DC 9V~28V   | DC24V   |   | DC 18V~28V  |
|         | 5ms   |   |   |   |   |
| CE      | EN61000-6-2:2005  | EN61000-6-4:2007  | RoHS  | ± 1KV   | ± 2KV 4KV 8KV   |
|         | 0-50  | 0-50  | -20-70  | -10-60  | -20-70  |
|         | -20-60  | -20-60  | -30-80  | -20-70  | -20-60  |
|         | 10-90%RH ( )  |   |   |   |   |
|         | 10-25Hz (X Y Z 2G/30 )  |   |   |   |   |
|         | IP65 ( )  |   | IP20  |   |   |
|         |   |   | +   |   | +   |
|         | 273 x 213 x 36  | 394x 256 x 36   | 200x 146 x 40   | 274 x 214 x 39  | 530 x 338 x 61  |
|         | 260 x 202   | 380 x 245   | 192 x 138   | 260 x 202   | 502 x 302   |