





## 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

256    μs

EtherCAT    EtherNET/IP

ProfiNet

99.999%

3C



- 16    /250μs 64    /500us 256    /2ms 20μs
- IO

- 16    16    8    8    4    4    AB
- G-code
- EtherCAT
- 5    4    USB    5    1    HDMI 1    DP
- EtherCAT    OPC UA    EtherNet/IP    Profinet MODBUS RTU    MODBUS TCP

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

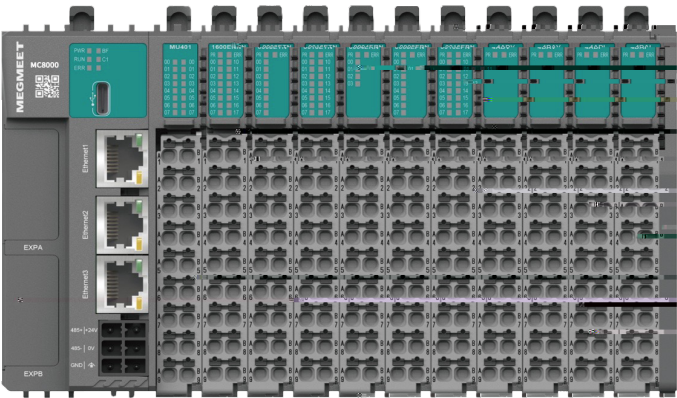
mOPAX

PLC

IEC61131-3

LD    ST    SFC    CFC    FBD    IL

EtherCAT    Profinet



- 32    ,    CAN    RS485    RS232
- Modbus/EtherCAT/ EtherNet IP/ Profinet
- A55
- Modbus/EtherCAT/ EtherNet IP/ Profinet
- 8    200K    8    200K +    AB
- 1ms/16    EtherCAT    16/ 32/64    EtherCAT
- 12mm
  - PUSH in
- 10M    20M    512KB

MC6000

MC6000 Series Medium PLC

MC6000

PLC,

3C

MEGMEET

EtherCAT

PLCopen

Codesys

IEC61131-3

MC6000



- EtherCAT

2ms/16

- ST SFC FBD CFC LD IL IEC61131-3

- 16MB 12MB 256MB

64KB+4KB TF

- MODBUS RTU/TCP Profinet

CANopen EtherCAT

IO

- 200KHz IO 8\*DI+8\*DO)

RS485 CAN,USB TF

|          |          | MC6000               | MC6010  | MC6020 |
|----------|----------|----------------------|---------|--------|
| IO       |          | 16                   | 1024    |        |
|          |          |                      | 16M     |        |
|          |          |                      | 12MB    |        |
|          |          |                      | 64+4KB  |        |
|          |          | I 128KB Q 128K M 4MB |         |        |
|          | ( )      |                      | 24.9ns/ |        |
|          | ( )      |                      | 60.9ns/ |        |
|          | ( )      |                      | 50.7ns/ |        |
|          | ( )      |                      | 50.4ns/ |        |
| IO       |          | 4 AB /8              |         |        |
|          |          | Y0~Y7 4 200KHz       |         |        |
|          | Ethernet | 2 Modbus TCP /       |         |        |
|          | RS485    | 2 Modbus RTU /       |         |        |
|          | OPC UA   | 4 Client             |         |        |
|          |          | TCP/IP UDP           |         |        |
|          |          | ST LD FBD SFC CFC IL |         |        |
| EtherCAT |          | 24                   | 12      |        |
|          |          | 32 ( )               |         |        |
|          |          | 1ms                  |         |        |
|          |          | 24 -4ms              | 12 -4ms |        |
|          |          |                      |         |        |
|          |          | 24                   | 12      |        |
|          | /CNC     | 2                    | 1       |        |
|          | TF       |                      |         |        |
|          | Type-C   |                      |         |        |

| MC6010 profinet |               |
|-----------------|---------------|
|                 | Ethernet CAT6 |
|                 | ≤100m( )      |
|                 | 100Mbps       |
|                 | 1*RJ45        |
| RT              | 4ms           |
| IRT             |               |
|                 | 1440          |
|                 | 1440          |

| MC6020Ethernet/IP |               |
|-------------------|---------------|
|                   | 31            |
|                   | ≤100m( )      |
|                   | Ethernet CAT6 |
|                   | 100Mbps       |
|                   | 1*RJ45        |
|                   | 504           |
|                   | 504           |
| CIP               | 10            |

MC5000

MC5000 Series Medium PLC

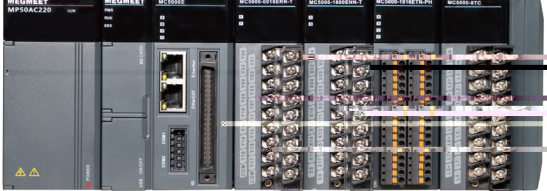
MC5000

PLC

G

3C

EtherCAT



CPU

- EtherCAT : 250μs

64

- :2M 100K 8PO

38

- 320K C 2M Byte 2M Byte

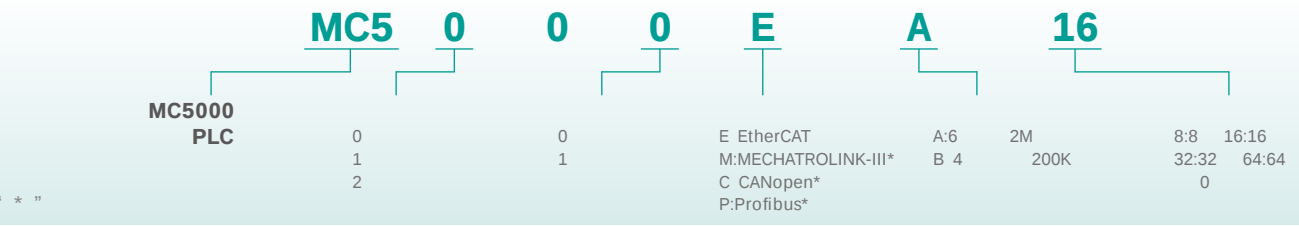
- 100K 2.2ms

C

- C 2500dmips

- EtherCAT EtherNet/IP MODBUS RTU

MODBUS TCP



|          |          | MC5200E | MC5101EB  | MC5100EA                | MC5000EA64 | MC5000E64 | MC5001EB64 |
|----------|----------|---------|-----------|-------------------------|------------|-----------|------------|
| IO       |          | 16      | 1024      |                         |            |           |            |
|          |          |         | 320K      |                         |            |           |            |
|          |          |         | 2M        |                         |            |           |            |
|          | ( )      |         | 6.4ns     |                         |            |           |            |
|          | ( )      |         | 25ns      |                         |            |           |            |
|          | ( )      |         | 40ns      |                         |            |           |            |
|          | ( )      |         | 50ns      |                         |            |           |            |
|          | ( )      |         | 2mS/100K  |                         |            |           |            |
|          |          |         | 2500dmips |                         |            |           |            |
| IO       |          | -       | 4         | 6                       |            | -         | 4          |
|          |          | -       | 2 AB      | 1 5V +2 AB              |            | -         | 2 AB       |
| IO       |          | 16 16   | 4 4       | 8 socket Modbus TCP /   |            | 16 16     | 4 4        |
|          |          | RS485   |           | 2 (Modbus RTU / MCbus ) |            |           |            |
|          |          |         |           | LD SFC FBD C            |            |           |            |
| EtherCAT |          |         | -         |                         |            | 64        |            |
|          | EtherCAT |         |           | 8                       |            |           |            |
|          |          |         | 256       |                         |            |           |            |
|          |          |         | -         |                         |            | 1ms       |            |
|          |          |         | 3 /1      |                         |            |           |            |
|          | CAD      |         |           |                         | 10000 x2   |           |            |
| C        | C        |         |           |                         | C          |           |            |
|          |          |         |           |                         | / C        |           |            |
|          |          |         |           |                         |            |           |            |
|          | USB      |         |           | C                       |            |           |            |
|          | SD       |         |           |                         |            |           |            |

MC5000

|            | CPU           |               |             |   |   |
|------------|---------------|---------------|-------------|---|---|
|            | IO            |               |             |   |   |
| MC5200E    | :16           | :16           |             | - | : |
| MC5100EA   | :4 200K       | 3 1M          | :4 6 2M     | - | : |
| 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 ) | EtherCAT 8  |   | : |
| MC5001EB16 | :8 ( 4 200K ) | :8 ( 4 200K ) | EtherCAT 16 |   | : |
| MC5001EB32 | :8 ( 4 200K ) | :8 ( 4 200K ) | EtherCAT 32 |   | : |
| MC5001EB64 | :8 ( 4 200K ) | :8 ( 4 200K ) | EtherCAT 64 |   | : |
| MC5000EA8  | :4 200K 3 1M  | :4 6 2M       | EtherCAT 8  |   | : |
| MC5000EA16 | :4 200K 3 1M  | :4 6 2M       | EtherCAT 16 |   | : |
| MC5000EA32 | :4 200K 3 1M  | :4 6 2M       | EtherCAT 32 |   | : |
| MC5000EA64 | :4 200K 3 1M  | :4 6 2M       | EtherCAT 64 |   | : |

MC6000&MC5000

/5000S

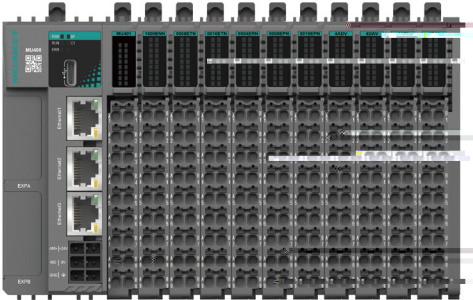
IO

| 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 | mOPAX | PLC | IEC-61121-3/PLCopen | LD ST FBD |
| 12mm  | 16    |     |                     |           |



- 16
  - 2
- CAN RS485 RS232

- 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

MU300MEGMEETPLCCPUEtherCAT/CANopen

3C



IO

- IO240
- 122

ARM+FPGA

- ARM+FPGA
- 8200K4100KABCCW+CW/
- 

EtherCAT

- 500μs,16
- 1\*EtherCAT+2\*EtherNet32

MODBUS CAN EtherNet/IP USB CANopen MODBUS-TCP

- MODBUSCANCANopen
- EtherNet/IPUSBMODBUS-TCP
- 5Socket20USB

AC

|                 |    |       |    |     |   | x                   | x |
|-----------------|----|-------|----|-----|---|---------------------|---|
| MU300-0808BTA16 | 8  | DC24V | 8  | -16 | 4 | 105mm x 90mm x 85mm |   |
| MU300-0808BTA8  | 8  | DC24V | 8  | -8  | 4 |                     |   |
| MU300-1210BTA16 | 12 | DC24V | 10 | -16 | 4 |                     |   |
| MU300-1210BTA8  | 12 | DC24V | 10 | -8  | 4 |                     |   |
| MU300-1210BRA16 | 12 | DC24V | 10 | -16 |   |                     |   |
| MU300-1210BRA8  | 12 | DC24V | 10 | -8  |   |                     |   |
| MU300-2424BTA16 | 24 | DC24V | 24 | -16 | 8 | 180mm x 90mm x 85mm |   |
| MU300-2424BTA8  | 24 | DC24V | 24 | -8  | 8 |                     |   |

MU200

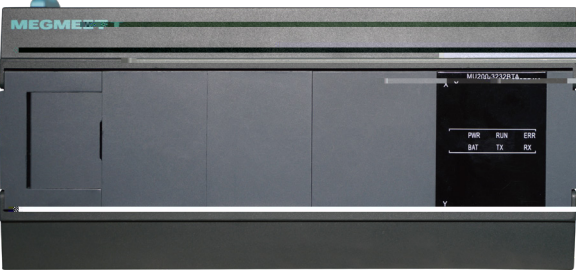
MU200 Series Small PLC

MU200PLCARM+FPGAR232/RS485/

12200K

8

3C



MODBUS CANopen

- MODBUSCAN
- USB, MODBUS-TCP,5
- Socket20

ARM+FPGA

- ARM+FPGA
- 12200K8
- 

IO

- IO272
- 122

ARM+FPGA

- 
- 
- 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 MU300/MU200

|               | x x       |                    |  |
|---------------|-----------|--------------------|--|
| MU200-0016ERN | 16        | 60mm x 90mm x 85mm |  |
| MU200-0016ETN | 16        |                    |  |
| MU200-1600ENN | 16 DC24V  |                    |  |
| MU200-0808ERN | 8 DC24V 8 |                    |  |
| MU200-0808ETN | 8 DC24V 8 |                    |  |

MU300/MU200

|           | x x |                    |  |
|-----------|-----|--------------------|--|
| MU200-4AD | 4   | 60mm x 90mm x 85mm |  |
| MU200-4DA | 4   |                    |  |
| MU200-8AD | 8   |                    |  |
| MU200-8TC | 8   |                    |  |
| MU200-4PT | 4   |                    |  |

MU300/MU200

|           | x x    |                        |  |
|-----------|--------|------------------------|--|
| MUE-4X    | 4 IO   | 38mm x 46.4mm x 11.5mm |  |
| MUE-4Y    | 4 IO   |                        |  |
| MUE-4XY   | 2 2 IO |                        |  |
| MUE-2AD   | 2      |                        |  |
| MUE-2DA   | 2      |                        |  |
| MUE-2AM   | 1      |                        |  |
| MUE-RS232 | RS232  |                        |  |
| MUE-RS485 | RS485  |                        |  |
| MUE-CAN   | CAN    |                        |  |

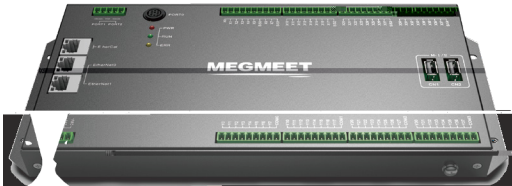
MC700 MC700 Series Motion Controller

MC700 EtherCat C

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

- 2 RS485 1 RS232 SD

- 320K C 2M Byte 2M Byte



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



MC200

MC200 Series Small PLC

MC200

,



- 12K
- 0.09μs

- 85V~280V
- 
- 

- 8

AC

|               | x x |       |    |
|---------------|-----|-------|----|
| MC200-2012BRA | 20  | 24VDC | 12 |
| MC200-2012BTA | 20  | 24VDC | 12 |
| MC200-3232BRA | 32  | 24VDC | 32 |
| MC200-3232BTA | 32  | 24VDC | 32 |
| MC200-4040BRA | 40  | 24VDC | 40 |
| MC200-4040BTA | 40  | 24VDC | 40 |

- IO 512
- 8
- IO

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

IO

MC280/MC200E/MC200

|               | x x |       |    |
|---------------|-----|-------|----|
| MC200-0800ENN | 8   | 24VDC |    |
| MC200-1600ENN | 16  | 24VDC |    |
| MC200-0008ERN | 8   |       |    |
| MC200-0008ETN | 8   |       |    |
| MC200-0808ERN | 8   | 24VDC | 8  |
| MC200-0808ETN | 8   | 24VDC | 8  |
| MC200-0016ERN | 16  |       |    |
| 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    |            |
| 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 |  |
| 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 | ×                 | ×   |
|----------------|----------|----|-------------------|-----|
| AC             |          |    |                   |     |
| MC100-1006BRA  | 10 24VDC | 6  | 135 × 90 × 79.2   |     |
| MC100-1006BTA  | 10 24VDC | 6  |                   |     |
| MC100-1410BRA  | 14 24VDC | 10 |                   |     |
| MC100-1410BTA  | 14 24VDC | 10 |                   |     |
| MC100-1614BRA  | 16 24VDC | 14 | 150 × 90 × 79.2   |     |
| MC100-1614BTA  | 16 24VDC | 14 |                   |     |
| MC100-1614BRA1 | 16 24VDC | 14 | 182 × 90 × 79.2   | 2 1 |
| MC100-1614BTA1 | 16 24VDC | 14 |                   | 2 1 |
| MC100-2416BRA  | 24 24VDC | 16 |                   |     |
| MC100-2416BTA  | 24 24VDC | 16 |                   |     |
| MC100-3624BRA  | 36 24VDC | 24 | 224.5 × 90 × 79.2 |     |
| MC100-3624BTA  | 36 24VDC | 24 |                   |     |
| DC             |          |    |                   |     |
| MC100-1006BRD  | 10 24VDC | 6  | 135 × 90 × 79.2   |     |
| MC100-1006BTD  | 10 24VDC | 6  |                   |     |
| MC100-1410BRD  | 14 24VDC | 10 |                   |     |
| MC100-1410BTD  | 14 24VDC | 10 |                   |     |
| MC100-1614BRD  | 16 24VDC | 14 | 150 × 90 × 79.2   |     |
| MC100-1614BTD  | 16 24VDC | 14 |                   |     |
| MC100-2416BRD  | 24 24VDC | 16 | 182 × 90 × 79.2   |     |
| MC100-2416BTD  | 24 24VDC | 16 |                   |     |
| MC100-3624BRD  | 36 24VDC | 24 | 224.5 × 90 × 79.2 |     |
| MC100-3624BTD  | 36 24VDC | 24 |                   |     |

|               |          | mm × × |                |  |
|---------------|----------|--------|----------------|--|
| IO            |          |        |                |  |
| MC100-0800ENN | 8 24VDC  |        | 61 × 90 × 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      |                |  |
|               |          |        |                |  |
| MC100-2AD     |          |        | 61 × 90 × 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        |        |                |  |

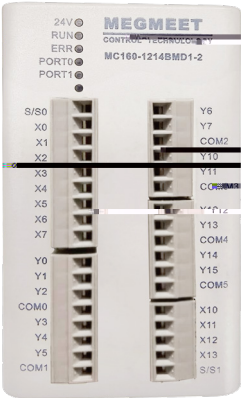
| PLC             |                      |                |
|-----------------|----------------------|----------------|
| MCA200-CA10     | PLC USB 2m           | USB-MiniDin8   |
| MCA200-CA01     | PLC RS232 2m         | DB9F-MiniDin8  |
| MCA200-CA02     | PLC RS232 2m         | DB9F-MiniDin8  |
| 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             | ( ) ( )        |
|                 |                      |                |
| 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  |
|                 |                      |                |
| 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

1



- 40KHz,AB 15KHz
- 3 100KHz

- 2 RS485

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

- 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   |                            |   |



MTC/MTCW/MTCV

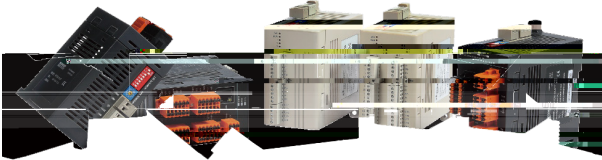
MTC/MTCW/MTCV Series Temperature Controller

MTC/MTCW/MTCV

(1216)

PID

MtcCompanion / PID1412PLCHMI



|    | 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 ) |  |

MTCW2 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 )                 |      |      |

MTCV1 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 |                          |           |         |         |

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



|  | 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         |         |     |
|  |                  |                          |           |         |     |
|  |                  |                          |           |         |     |
|  |                  |                          |           |         |     |

| 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



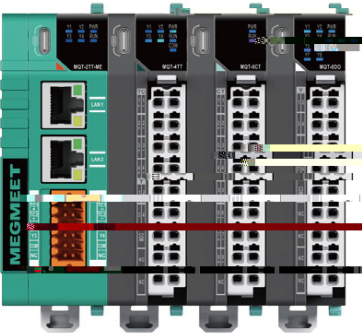
± 0.15

0.1PID

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 | 44                     | (4 ) | (4 ) |
| MQT-8AI    | 8 | 8                      | -    | (8 ) |
| MQT-8AV    | 8 | 8                      | -    | (8 ) |
| MQT-8AO    | 8 | 8                      | (8 ) | -    |

MZ800

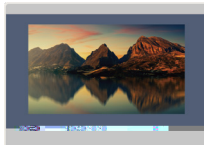
MZ800 Series Human-Machine Interface

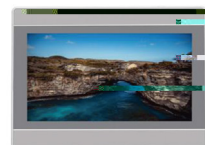
MZ800

PLC

G

PLC

|         |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |
|---------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|         |  |  |  |  |  |
|         | MZ800-TT05SK30/31                                                                 | MZ800-TT107SK30                                                                   | MZ800-TT207SK30/31                                                                | MZ800-TT207SK30/31W                                                                | MZ800-TT210SK30/31                                                                  |
|         | 4.3 16:9 TFT LCD                                                                  | 7 16:9 TFT LCD                                                                    | 7 16:9 TFT LCD                                                                    | 7 16:9 TFT LCD                                                                     | 10.1 16:9 TFT LCD                                                                   |
|         | 480 x 272                                                                         | 800 x 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                                                                   |                                                                                   | 30: 31:1 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: +                                                                      |                                                                                   |                                                                                   |                                                                                    |                                                                                     |
|         | 30:130 x 104 x 32<br>31:130 x 104 x43                                             | 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 16:9 TFT LCD                                                                   | 15.6 16:9 TFT LCD                                                                   | 7 16:9 TFT LCD                                                                      | 10.1 16:9 TFT LCD                                                                   | 22 16:9 TFT 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                                                                                   |                                                                                     |                                                                                     |                                                                                     | Glass+Glass                                                                         |
|         | 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                                                              | 128M Flash+128M DDR3                                                                |                                                                                     | 256MB Flash+256MB DDR3                                                              |
| RTC     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|         | 30: 31:1 10M/100M                                                                   | 2 10M/100M                                                                          | 10M/100M                                                                            |                                                                                     | 1 10M/100M                                                                          |
| SD      |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| 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                                                                       | 200 x 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                                                                           |