öhĻjiĔng HĻıhuĔnĒĻıhnologĭ Co Ltķ
No.5, Qinshan Road, Longyou Industrial Zone, Quzhou City, Zhejiang Province

07060201-0832-001
Date 2025-11-27
CN
EN Instruction Sheet

## ⚠ 1. SĔfĻtĭ prĻıĔutions

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The products in this manual are industrial products and are all open-type housing designs. It is essential to install these products within a control cabinet that is safeguarded against dust, moisture, and accidents such as electric shocks or physical impacts. Additionally, protective measures must be taken to prevent malfunctions or damage caused by improper operation or accidents involving non-maintenance personnel. Failure to do so may lead to serious risks to personnel safety and potential loss of prope r y.

M

Please refer to the M series hardware operation manual for more detailed information.

| | |
|---|---|
| ⚠ Batte r | M200 CPU CR-2032L/BN 5.3<br>The M200 series CPUs are equipped with built-in CR-2032L/BN batteries. Replacement batteries must be purchased from HCFA. A professional electrical engineer, wearing insulated gloves and with power turned o f, should replace them as described in Section 5.3.<br>Les CPU de la série M200 sont équipés de batteries CR-2032L/BN intégrées.Les batteries de remplacement doivent être achetées auprès de HCFA.Un ingénieur électrique professionnel, po r ant des gants isolants et avec le courant coupé, devrait les remplacer comme décrit dans la section 5.3. |

## 2. MoķĻlikĻntifiıĒtion

HC M 1 1 _ - 20 M T 4 - A - XXXX
1 2 3 4 5 6 7 8 9 10 11

| 1 | |
|---|---|
| HC | Hechuan Technology) |

| 2 | |
|---|---|
| M2 | /<br>(Basic/standard logic controller) |

| 3 | | |
|---|---|---|
| 1 | 1 | 1) |

| 4 | | |
|---|---|---|
| 0 | 1 | Type 1 product) |
| 1 | 2 | Type 2 product) |
| 2 | 3 | Type 3 product) |
| 3 | 4 | Type 4 product) |

| 5 | |
|---|---|
| (N/A) | Standard version) |

| 6 | |
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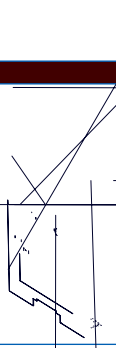
| (Name) | Model) | (Applicable expansion card model) | IO * (Applicable IO model) | Brief description) |
|---|---|---|---|---|
| CPU<br>CPU unit | HCM211-20MR-A | HCMXB-2RS232-200-BD<br>HCMXB-2RS485-200-BD<br>HCMXB-MA03-200-BD<br>HCMXB-ID04-200-BD<br>HCMXB-OD04-200-BD<br>HCMXB-OD04-200-BD-PNP | HCMX-ID08-D<br>HCMX-ID16-D<br>HCMX-OD08-D<br>HCMX-OD08-D-PNP<br>HCMX-OD16-D<br>HCMX-OD16-D-PNP<br>HCMX-MD16-D<br>HCMX-MD16-D-PNP<br>HCMX-ID32-D<br>HCMX-OD32-D<br>HCMX-OD32-D-PNP<br>HCMX-MD32-D<br>HCMX-MD32-D-PNP<br>HCMX-OC08-D<br>HCMX-AD04-D<br>HCMX-AD04S-D<br>HCMX-DA04-D<br>HCMX-DA04S-D<br>HCMX-PT04-D<br>HCMX-TC04-D | 200k *2 12 8 EtherNet*1 CAN*1 RS485*2 USB*1 1 SD *1 16<br>Relay output, 200k high-speed counter*2, 12 inputs 8 outputs, EtherNet*1, CAN*1, RS485*2, USB*1, 1 optional card, SD card*1, suppo r s 16 right-side expansions |
| | HCM211-20MT4-A | | | 200k *4 200k *2 12 8 EtherNet*1 CAN*1 RS485*2 USB*1 1 ,SD *1 16<br>200k pulse axis*4, 200k high-speed counter*2, 12 inputs 8 outputs, EtherNet*1, CAN*1, RS485*2, USB*1, 1 optional card, SD card*1, suppo r s 16 right-side expansions |
| | HCM211-32MR-A | | | 200k *2 18 14 EtherNet*1 CAN*1 RS485*2 USB*1 1 ,SD *1 16<br>Relay output, 200k high-speed couné D ptional card, SD card*1, suppo r s 16 right-side expansions |
| | HCM211-42MT8-A | | | 200k *8 200k *4 24 18 EtherNet*1 CAN*1 RS485*2 USB*1 1 ,SD *1 16<br>200k pulse axis*8, 200k high-speed counter*4, 24 inputs 18 outputs, EtherNet*1, CAN*1, RS485*2, USB*1, 1 optional card, SD card*1, suppo r s 16 right-side expansions |
| | HCM211-60MR-A | | | 200k *4 36 24 EtherNet*1 CAN*1 RS485*2 USB*1 1 ,SD *1 16<br>Relay output, 200k high-speed counter*4, 36 inputs 24 outputs, EtherNet*1, CAN*1, RS485*2, USB*1, 1 optional card, SD card*1, suppo r s 16 right-side expansions |
| | HCM211-60MT10-A | | | 200k *10 200k *4 36 24 EtherNet*1 CAN*1 RS485*2 USB*1 1 ,SD *1 16<br>200k pulse axis*10, 200k high-speed counter*4, 36 inputs 24 outputs, EtherNet*1, CAN*1, RS485*2, USB*1, 1 optional card, SD card*1, suppo r s 16 right-side expansions |
| | HCM212-60MT8-A | | | 200k *8 200k *4 EtherCAT *8 36 24 EtherNet*1 CAN*1 RS485*2 USB*1 1 SD *1 16<br>200k pulse axis*8, 200k high-speed counter*4, EtherCAT bus axis*8, 36 inputs 24 outputs, EtherNet*1, CAN*1, RS485*2, USB*1, 1 optional card, SD card*1, suppo r s 16 right-side expansions |

* CPU 16 IO

*Note: Up to 16 IO modules can be mounted to the right side of a CPU unit.

5.3 BËttĻÊ mounting Ënk kismounting

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|---|---|---|---|---|
| 15 | M211 EtherNet | M211 EtherNet communication interface | Modbus TCP EtherNet/IP Socket<br>IPV4 192.168.1.8<br>255.255.255.0 | 100Mbps Ethernet port, supports Modbus TCP, EtherNet/IP, Socket free protocol<br>Default IPV4: 192.168.1.8<br>Subnet mask: 255.255.255.0 |
| | M212 EtherCAT | M212 EtherCAT communication interface | EtherCAT | 100Mbps Ethernet port, supports EtherCAT master |
| 16 | | Battery compartment | RTC | Stores RTC (Real-time Clock) battery |
| 17 | | Expansion module connection interface | IO | The interface for the communication and power supply of the host and IO modules, does not support hot-swapping |
| 18 | | Grounding spring | FE | Functional grounding (FE) |

* M212

*Note: Only M212 is equipped with this inte r ace.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | H1 | H2 | H3 | | |
| HCM211-20MR-A | 122.30 | 120.00 | 108.00 | 100.00 | 35.40 | 74.50 | 436.8 |
| HCM211-20MT4-A | | | | | | | 404.0 |
| HCM211-32MR-A | 142.30 | 140.00 | | | | | 513.6 |
| HCM211-32MT6-A | | | | | | | 470.6 |
| HCM212-32MT4-A | | | | | | | |
| HCM211-42MR-A | 172.30 | 170.00 | | | | | 590.8 |
| HCM211-42MT8-A | | | | | | | 525.1 |
| HCM211-60MR-A | 214.30 | 212.00 | | | | | 711.2 |
| HCM211-60MT10-A | | | | | | | 646.6 |
| HCM212-60MT8-A | 214.30 | 212.00 | | | | | |

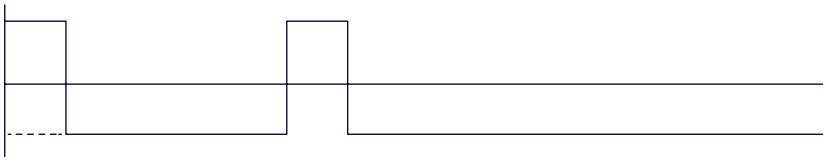
## 7. Inķıı Ětor ķĻsıription

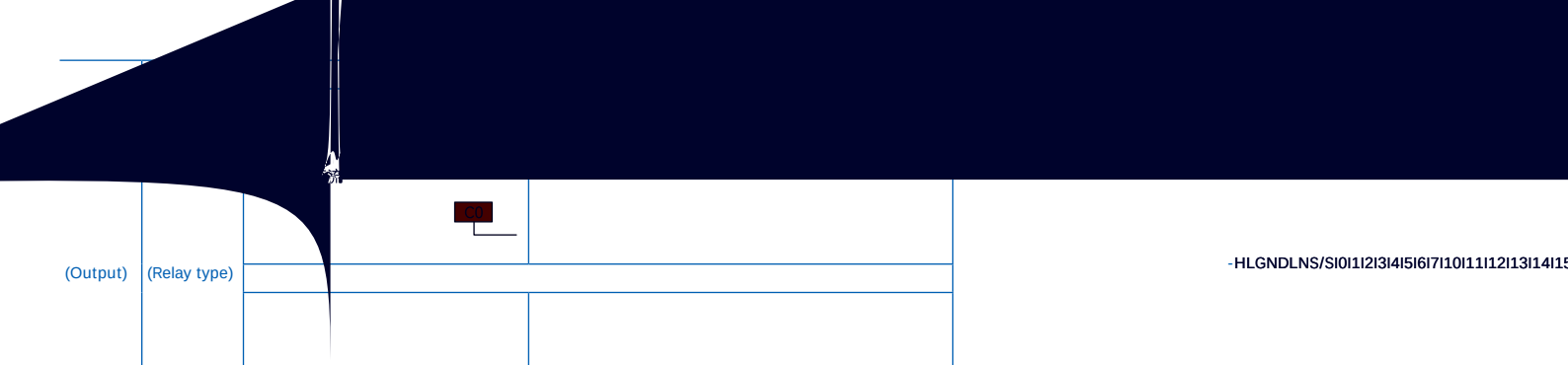
| | |
|---|---|
| PWR | |

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|---|---|---|---|---|---|
| IN N (0~7 10~17 20~27 | (Input) | (Green) | Not lit | N | The input channel N has not detected input signals |
| | | | Lit | N | The input channel N has detected input signals |
| OUT N (0~7 10~17 20~21 | (Output) | (Green) | Not lit | N | There is no output signal in this channel |
| | | | Lit | N | There are output signals in this channel |
| | | | | | |
| IN N (0~7,10~17,20~27, 30~37,40~43) | (Input) | (Green) | Not lit | N | The input channel N has not detected input signals |
| | | | Lit | N | The input channel N has detected input signals |
| OUT N (0~7 10~17 20~27 | (Output) | (Green) | Not lit | N | There is no output signal in this channel |
| | | | Lit | N | There are output signals in this channel |

CAN

The CAN communication indicator blinking frequency is shown in the following fgure.






| | | | | |
|---|---|---|---|---|
| (Output) | (Relay type) | | | -HLGNDLNS/SI0I1I2I3I4I5I6I7I10I11I12I13I14I15 |