



Product for Field Test

Newsletter Date: 08.01 .2025

1. Product Introduction: M100 series PLC (simple logic controller)



HCM501S-16MT4-D-***

1	2	3	4	5	6	7	8	9	10	11
1.Product name			2.Product series			3.Number of Ethernet ports				
HC HC: HCFA			M5 M1: Pulse Economy M2: Basic Logic Type M3: Slim Motion Controller Type M5: General-purpose Motion Control Type			0 0: None 1: 1 Ethernet port 2: 2 Ethernet ports 3: 3 Ethernet ports				
4.Model code			5.Function code			6.Total points				
1 M100/M200/M300 Series 0: Type 1 products 1: Type 2 products 2: Type 3 products 3: Type 4 products M500 Series 1: 8 axes EtherCAT motion axes 2: 16 axes EtherCAT motion axes 3: 32 axes EtherCAT motion axes 4: 64 axes EtherCAT motion axes			S None: Standard version S: Economical version P: Enhanced version			16 14: 8 Inputs and 6 outputs 16: 8 Inputs 8 outputs 20: 12 Input 8 output 30: 16 Input 14 output 32: 16 Input 16 output (M300/M500 series), 18 Input 14 output (M200 series) 40: 24-Input 16 output 42: 24 Input 18 output 48: 28 Input 20 output 60: 36 Input 24 output				
7.Description			8.Output type			11.Control version numbers and non-standard specifications				
M M: Main unit			T T: NPN transistor R: Relay P: PNP transistor			*				
9.Pulse output			10.Power type							
4 4: 4-ch pulse output 6: 6-ch pulse output 8: 8-ch pulse output 10: 10-ch pulse output			D D: DC power A: AC power							



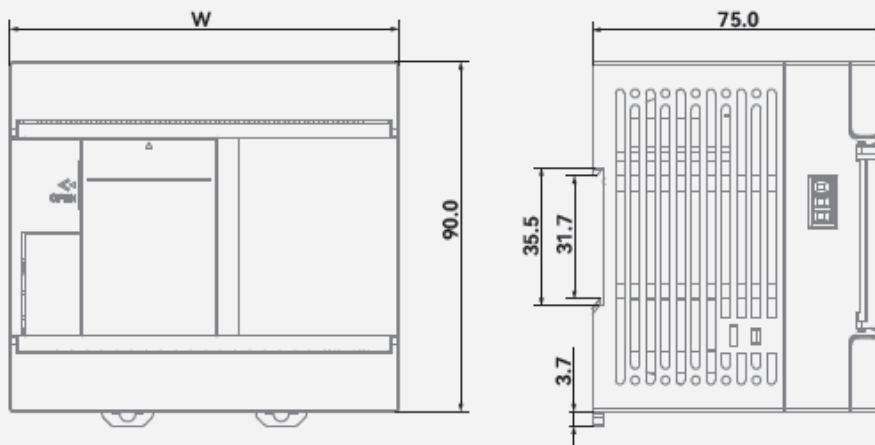


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Model name	HCM100-14MT3-A HCM100-14MR-A	HCM100-20MT4-A HCM100-20MR-A	HCM100-30MT6-A HCM100-30MR-A	HCM100-40MT6-A HCM100-40MR-A	HCM100-48MT6-A HCM100-48MR-A	HCM100-60MT6-A HCM100-60MR-A
Appearance						
Program capacity	256KBytes (The power-failure retention capacity is 16Kbytes)					
Variable capacity	128KBytes					
I-area(%I)	128Bytes					
Q-area(%Q)	128Bytes					
M-area(%M)	128KBytes					
Programming language	LD, ST, C/C++					
Number of pulse axes (Only for MT models)	3 axes 100K	4 axes 100K				6 axes 100K
Number of encoder axes	2					
Input number of axes	≤16					
Output number of axes	Do not support right-side expansion, can add optional card HCMX-CAN-100-BD to support CAN remote expansion					
Right extension	Built-in main unit					
Max. number of extension modules						
RTC battery						
Optional card						
Max. number of option cards						
Inputs	8 Inputs	12 Inputs	16 Inputs	24 Inputs	28 Inputs	36 Inputs
Points	Supports 8-ch external interrupts; 2-ch 200K high-speed pulse inputs (AB phase, pulse + direction, single pulse)					
Function	AC 220V					
Outputs	6 Outputs	8 Outputs	14 Outputs	16 Outputs	20 Outputs	24 Points Outputs
Points	Supports 3-ch 100K high-speed pulse output (pulse + direction)*					
Function	Supports 4-ch 100K high-speed pulse output (pulse + direction)*					
Electronic can						
Number of key points of a single curve						
Axis group						
Max. number of axis groups						
Grade Capacity						
SD card						
USB						
Number of interfaces	1-ch USB2.0 Type-C					
Supported functions	Program download, software monitoring and debugging, firmware upgrade					
Power supply						
Number of interfaces	Max. 3 channels: The main unit has 1 channel, and 2 more channels can be expanded by installing the optional card HCMXB-2RS485-100-BD					
Supported protocol	Modbus master and slave (ASCII/RTU); free protocol					
Max. number of slaves	32					
Max. number of slaves	9600, 19200, 38400, 57600, 115200					
Serial port						
Number of interfaces	Max. 3 channels: The main unit has 1 channel, and 2 more channels can be expanded by installing the optional card HCMXB-2RS232-100-BD					
Supported protocol	Modbus master and slave (ASCII/RTU); free protocol					
Max. number of slaves	32					
Max. number of slaves	9600, 19200, 38400, 57600, 115200					
CAN						
Number of interfaces	Install optional card HCMXB-CAN-100-BD to support 1 channel					
Supported protocol	CANopen protocol (DS301), can be used as master or slave; supports 32 slaves when used as master					

*Note: Only MT models support pulse output.

Unit:mm



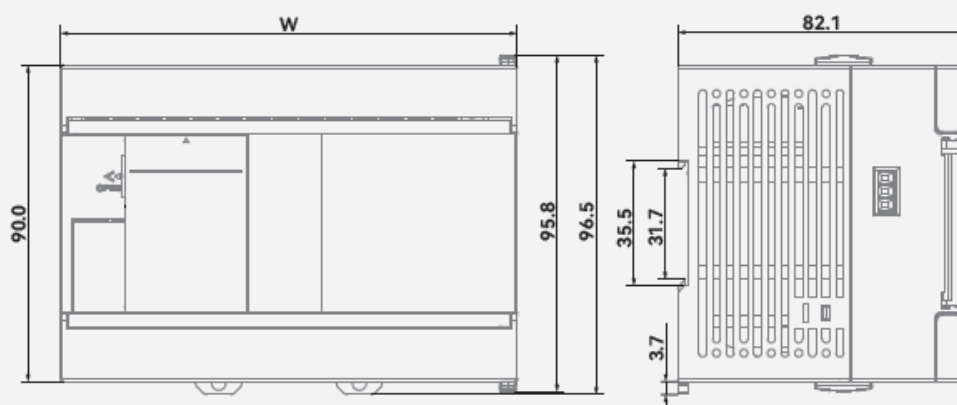
Model name	HCM100-14MT3-A	HCM100-14MR-A	HCM100-20MT4-A	HCM100-20MR-A	HCM100-30MT6-A	HCM100-30MR-A
Width (W)	60.5	60.5	75.5	75.5	100	100





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Unit:mm



Dimension	Model name	HCM100-40MT6-A	HCM100-40MR-A	HCM100-48MT6-A	HCM100-48MR-A	HCM100-60MT6-A	HCM100-60MR-A
Width (W)		130.0	130.0	175.0	175.0	175.0	175.0

2. Release Model:

PLC	Model	Max. order quantity
M100	HCM100-14MT3-A	10
	HCM100-14MR-A	10
	HCM100-20MT4-A	10
	HCM100-20MR-A	10
	HCM100-30MT6-A	10
	HCM100-30MR-A	10
	HCM100-40MT6-A	10
	HCM100-40MR-A	10
	HCM100-48MT6-A	10
	HCM100-48MR-A	10
	HCM100-60MT6-A	10
	HCM100-60MR-A	10

