



Card-Type PLC

7 Highlights

- Follow IEC-61131 standard and pass CE certification and ISO certification.
- Possess proprietary intellectual property rights and allow to customize PLC.
- Innovative programming software which provides comprehensive simulation including Interpolation and communication.
- Provide remote access to connect PLCs by Haiwell cloud.
- Allow Ethernet port and up to four RS232/RS485 serial ports to work together.
- Support Modbus TCP, Haiwellbus TCP, Modbus RTU/ASCII, Haiwellbus and the customized protocol.
- Support motion control including linear interpolation, circular interpolation, origin return, reverse clearance compensation and defining electrical origin.

AC Series Card-type PLC MPU

Model	Specification							Dimension WxHxD(mm)
24VDC	DI	DO	AI	AO	COM Port	Power	Max. Exp.	
AC10S0R	6	4 Relay			TCP+RS485, up to 5	<4.8W	5	 40×95×65
AC10S0T	6	4 Transistor NPN			TCP+RS485, up to 5	<4.8W		
AC10S0P	6	4 Transistor PNP			TCP+RS485, up to 5	<4.8W		
AC16S0R	8	8 Relay			TCP+RS485, up to 5	<4.8W		
AC16S0T	8	8 Transistor NPN			TCP+RS485, up to 5	<4.8W		
AC16S0P	8	8 Transistor PNP			TCP+RS485, up to 5	<4.8W		
AC12M0R	4	4 Relay	2	2	TCP+RS485, up to 5	<3.6W		
AC12M0T	4	4 Transistor NPN	2	2	TCP+RS485, up to 5	<3.6W		
AC12M0P	4	4 Transistor PNP	2	2	TCP+RS485, up to 5	<3.6W		

AT Series Card-type PLC MPU

Model	Specification									Dimension WxHxD(mm)
24VDC	DI	DO	AI	AO	Pulse Input	Pulse Output	COM Port	Power	Max. Exp.	
AT16S0R	8	8 Relay			2 Channels A/B phase 4points 200K		TCP+485	<4.8W	15	 40×95×65
AT16S0T	8	8 Transistor NPN			2 Channels A/B phase 4points 200K	2 Channels A/B phase 4points 200K	TCP+485	<4.8W		
AT16S0P	8	8 Transistor PNP			2 Channels A/B phase 4points 200K	2 Channels A/B phase 4points 200K	TCP+485	<4.8W		
AT12M0R	4	4 Relay	2	2	1 Channel A/B phase 2points 200K		TCP+485	<3.6W		
AT12M0T	4	4 Transistor NPN	2	2	1 Channel A/B phase 2points 200K	1 Channel A/B phase 2points 200K	TCP+485	<3.6W		
AT12M0P	4	4 Transistor PNP	2	2	1 Channel A/B phase 2points 200K	1 Channel A/B phase 2points 200K	TCP+485	<3.6W		

AH Series Card-type PLC MPU

Model	Specification							Dimension WxHxD(mm)
24VDC	DI	DO	Pulse Input	Pulse Output	COM Port	Power	Max. Exp.	
AH16S0R	8	8 Relay	4 Channels A/B phase 8points 200K		TCP+485	<4.8W	15	 40×95×65
AH16S0T	8	8 Transistor NPN	4 Channels A/B phase 8points 200K	4 Channels A/B phase 8points 200K	TCP+485	<4.8W		
AH16S0P	8	8 Transistor PNP	4 Channels A/B phase 8points 200K	4 Channels A/B phase 8points 200K	TCP+485	<4.8W		



Digital I/O Modules

Model	Specification				Dimension WxHxD(mm)
24VDC	DI	DO	COM Port	Power	
A08DI	8		/	<2.4W	 25×95×65
A08DOR		8 Relay	/	<4.8W	
A08DOT		8 Transistor NPN	/	<4.8W	
A08DOP		8 Transistor PNP	/	<4.8W	
A08XDR	4	4 Relay	/	<2.4W	
A08XDT	4	4 Transistor NPN	/	<2.4W	
A08XDP	4	4 Transistor PNP	/	<2.4W	
A16DI	16		/	<2.4W	 25×95×65
A16DOR		16 Relay	/	<8.4W	
A16DOT		16 Transistor NPN	/	<8.4W	
A16DOP		16 Transistor PNP	/	<8.4W	
A16XDR	8	8 Relay	/	<4.8W	
A16XDT	8	8 Transistor NPN	/	<4.8W	
A16XDP	8	8 Transistor PNP	/	<4.8W	

Analog I/O Modules

Model	Specification					Dimension WxHxD(mm)
24VDC	AI	AO	Conversion Accuracy	COM Port	Power	
A04AI	4		12bit	/	<2.4W	 25×95×65
A04AO		4	12bit	/	<2.4W	
A04XA	2	2	12bit	/	<2.4W	
A08AI	8		12bit	/	<2.4W	
A08AO		8	12bit	/	<3.6W	
A08XA	4	4	12bit	/	<3.6W	

Load cell module

Model	Specification					Dimension WxHxD(mm)
24VDC	type	Specification	Conversion Accuracy	Power	COM Port	
A01WG	Load cell module	1-channel	24bit	<4.8W	RS485, support remote IO function	 25×95×65
A02WG		2-channel	24bit	<7.2W	/	

Temperature I/O Modules

Model	Specification					Dimension WxHxD(mm)
24VDC	Sensor	Conversion Accuracy	COM Port	Power		
A04TC	4 Thermocouple	16bit	/	<2.4W		
A04RC	4 Thermal Resistance	16bit	/	<2.4W		
A08TC	8 Thermocouple	16bit	/	<2.4W		
A04DT	4 Channels digital temperature & humidity sensor	9~12bit	/	<2.4W		

Communication I/O Modules

Model	Specification	Power	Dimension(mm) WxHxD
A01RS	With isolation, 1 RS232/RS485 communication port. Supports Modbus RTU/ASCII, Freedon comomunication protocol, Haiwellbus, 1200~115200bps Supports 8,N,1	<2.4W	 25×95×65



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Haiwell Cloud APP



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The parameters of product are subject to changes without prior notice. (Ver. I - 202401)