Classic PLC

7 Characteristics

Quality Guarantee In accordance with IEC-61131 international standard develop

Radical innovation Built-in simulator programming software, easy to study and easy to us

Remote control Support Haiwell Cloud platform, for remote programming

Ethernet + Support Ethernet port and 5 other RS232/RS485 communication ports working simultaniously, support multilevel networking

Communication Support Modbus TCP, Haiwellbus TCP, Modbus RTU/ASCII, Haiwellbus high speed protocol, freedom protocol

Motion Control Support linear interpolation, ARC interpolation, original point return, backlash compensation, electric original point redefine

Distributed IO Expansion modules with Ethernet and RS458 port, support remote IO by distributed installation

C Series - Economic PLC MPU

Ethernet Model		Model		Specification				Dimension WxHxD
24V DC	220V AC	24V DC	220V AC	DI	DO	Communication	Max Exp.	
C10S0R-e	C10S2R-e	C10S0R	C10S2R	6	4 Relay	RS232 + RS485	N/A	93×95×82mm
C10S0T-e	C10S2T-e	C10S0T	C10S2T	6	4 Transistor NPN	RS232 + RS485	N/A	
C10S0P-e	C10S2P-e	C10S0P	C10S2P	6	4 Transistor PNP	RS232 + RS485	N/A	
C16S0R-e	C16S2R-e	C16S0R	C16S2R	8	8 Relay	RS232 + RS485	N/A	
C16S0T-e	C16S2T-e	C16S0T	C16S2T	8	8 Transistor NPN	RS232 + RS485	N/A	
C16S0P-e	C16S2P-e	C16S0P	C16S2P	8	8 Transistor PNP	RS232 + RS485	N/A	
C24S0R-e	C24S2R-e	C24S0R	C24S2R	16	8 Relay	RS232 + RS485	N/A	131×95×82mm
C24S0T-e	C24S2T-e	C24S0T	C24S2T	16	8 Transistor NPN	RS232 + RS485	N/A	
C24S0P-e	C24S2P-e	C24S0P	C24S2P	16	8 Transistor PNP	RS232 + RS485	N/A	
C32S0R-e	C32S2R-e	C32S0R	C32S2R	16	16 Relay	RS232 + RS485	N/A	
C32S0T-e	C32S2T-e	C32S0T	C32S2T	16	16 Transistor NPN	RS232 + RS485	N/A	
C32S0P-e	C32S2P-e	C32S0P	C32S2P	16	16 Transistor PNP	RS232 + RS485	N/A	
C48S0R-e	C48S2R-e	C48S0R	C48S2R	28	20 Relay	RS232 + RS485	N/A	177×95×82mm
C48S0T-e	C48S2T-e	C48S0T	C48S2T	28	20 Transistor NPN	RS232 + RS485	N/A	
C48S0P-e	C48S2P-e	C48S0P	C48S2P	28	20 Transistor PNP	RS232 + RS485	N/A	
C60S0R-e	C60S2R-e	C60S0R	C60S2R	36	24 Relay	RS232 + RS485	N/A	
C60S0T-e	C60S2T-e	C60S0T	C60S2T	36	24 Transistor NPN	RS232 + RS485	N/A	
C60S0P-e	C60S2P-e	C60S0P	C60S2P	36	24 Transistor PNP	RS232 + RS485	N/A	

T Series - Standard PLC MPU

| Ethernet Model		Model		Specification						Dimension WxHxD
24V DC	220V AC	24V DC	220V AC	DI	DO	Pulse Input	Pulse Output	Communication	Max Exp.	
T16S0R-e	T16S2R-e	T16S0R	T16S2R	8	8 Relay	2 Channels A/B phase, 4 points 200KHz		RS232 + RS485, Max 5 ports	7	93×95×82mm
T16S0T-e	T16S2T-e	T16S0T	T16S2T	8	8 Transistor NPN	2 Channels A/B phase, 4 points 200KHz	2 Channels A/B phase, 4 points 200KHz	RS232 + RS485, Max 5 ports	7	
T16S0P-e	T16S2P-e	T16S0P	T16S2P	8	8 Transistor PNP	2 Channels A/B phase, 4 points 200KHz	2 Channels A/B phase, 4 points 200KHz	RS232 + RS485, Max 5 ports	7	
T24S0R-e	T24S2R-e	T24S0R	T24S2R	16	8 Relay	2 Channels A/B phase, 4 points 200KHz		RS232 + RS485, Max 5 ports	7	131×95×82mm
T24S0T-e	T24S2T-e	T24S0T	T24S2T	16	8 Transistor NPN	2 Channels A/B phase, 4 points 200KHz	2 Channels A/B phase, 4 points 200KHz	RS232 + RS485, Max 5 ports	7	
T24S0P-e	T24S2P-e	T24S0P	T24S2P	16	8 Transistor PNP	2 Channels A/B phase, 4 points 200KHz	2 Channels A/B phase, 4 points 200KHz	RS232 + RS485, Max 5 ports	7	
T32S0R-e	T32S2R-e	T32S0R	T32S2R	16	16 Relay	2 Channels A/B phase, 4 points 200KHz		RS232 + RS485, Max 5 ports	7	
T32S0T-e	T32S2T-e	T32S0T	T32S2T	16	16 Transistor NPN	2 Channels A/B phase, 4 points 200KHz	2 Channels A/B phase, 4 points 200KHz	RS232 + RS485, Max 5 ports	7	
T32S0P-e	T32S2P-e	T32S0P	T32S2P	16	16 Transistor PNP	2 Channels A/B phase, 4 points 200KHz	2 Channels A/B phase, 4 points 200KHz	RS232 + RS485, Max 5 ports	7	
T48S0R-e	T48S2R-e	T48S0R	T48S2R	28	20 Relay	2 Channels A/B phase, 4 points 200KHz		RS232 + RS485, Max 5 ports	7	177×95×82mm
T48S0T-e	T48S2T-e	T48S0T	T48S2T	28	20 Transistor NPN	2 Channels A/B phase, 4 points 200KHz	2 Channels A/B phase, 4 points 200KHz	RS232 + RS485, Max 5 ports	7	
T48S0P-e	T48S2P-e	T48S0P	T48S2P	28	20 Transistor PNP	2 Channels A/B phase, 4 points 200KHz	2 Channels A/B phase, 4 points 200KHz	RS232 + RS485, Max 5 ports	7	
T60S0R-e	T60S2R-e	T60S0R	T60S2R	36	24 Relay	2 Channels A/B phase, 4 points 200KHz		RS232 + RS485, Max 5 ports	7	
T60S0T-e	T60S2T-e	T60S0T	T60S2T	36	24 Transistor NPN	2 Channels A/B phase, 4 points 200KHz	2 Channels A/B phase, 4 points 200KHz	RS232 + RS485, Max 5 ports	7	
T60S0P-e	T60S2P-e	T60S0P	T60S2P	36	24 Transistor PNP	2 Channels A/B phase, 4 points 200KHz	2 Channels A/B phase, 4 points 200KHz	RS232 + RS485, Max 5 ports	7	

H Series - High Performance PLC MPU

Ethernet Model		Model		Specification						Dimension WxHxD
24V DC	220V AC	24V DC	220V AC	DI	DO	Pulse Input	Pulse Output	Communication	Max Exp.	
H16S0R-e	H16S2R-e	H16S0R	H16S2R	8	8 Relay	4 Channels A/B phase, 8 points 200KHz		RS232 + RS485, Max 5 ports	7	93×95×82mm
H16S0T-e	H16S2T-e	H16S0T	H16S2T	8	8 Transistor NPN	4 Channels A/B phase, 8 points 200KHz	4 Channels A/B phase, 8 points 200KHz	RS232 + RS485, Max 5 ports	7	
H16S0P-e	H16S2P-e	H16S0P	H16S2P	8	8 Transistor PNP	4 Channels A/B phase, 8 points 200KHz	4 Channels A/B phase, 8 points 200KHz	RS232 + RS485, Max 5 ports	7	
H24S0R-e	H24S2R-e	H24S0R	H24S2R	12	12 Relay	4 Channels A/B phase, 8 points 200KHz		RS232 + RS485, Max 5 ports	7	
H24S0T-e	H24S2T-e	H24S0T	H24S2T	12	12 Transistor NPN	6 Channels A/B phase, 12 points 200KHz	6 Channels A/B phase, 12 points 200KHz	RS232 + RS485, Max 5 ports	7	
H24S0P-e	H24S2P-e	H24S0P	H24S2P	12	12 Transistor PNP	6 Channels A/B phase, 12 points 200KHz	6 Channels A/B phase, 12 points 200KHz	RS232 + RS485, Max 5 ports	7	
H32S0R-e	H32S2R-e	H32S0R	H32S2R	16	16 Relay	4 Channels A/B phase, 8 points 200KHz		RS232 + RS485, Max 5 ports	7	131×95×82mm
H32S0T-e	H32S2T-e	H32S0T	H32S2T	16	16 Transistor NPN	6 Channels A/B phase, 12 points 200KHz	6 Channels A/B phase, 12 points 200KHz	RS232 + RS485, Max 5 ports	7	
H32S0P-e	H32S2P-e	H32S0P	H32S2P	16	16 Transistor PNP	6 Channels A/B phase, 12 points 200KHz	6 Channels A/B phase, 12 points 200KHz	RS232 + RS485, Max 5 ports	7	
H40S0R-e	H40S2R-e	H40S0R	H40S2R	20	20 Relay	4 Channels A/B phase, 8 points 200KHz		RS232 + RS485, Max 5 ports	7	
H40S0T-e	H40S2T-e	H40S0T	H40S2T	20	20 Transistor NPN	8 Channels A/B phase, 16 points 200KHz	8 Channels A/B phase, 16 points 200KHz	RS232 + RS485, Max 5 ports	7	
H40S0P-e	H40S2P-e	H40S0P	H40S2P	20	20 Transistor PNP	8 Channels A/B phase, 16 points 200KHz	8 Channels A/B phase, 16 points 200KHz	RS232 + RS485, Max 5 ports	7	
H60S0R-e	H60S2R-e	H60S0R	H60S2R	36	24 Relay	4 Channels A/B phase, 8 points 200KHz		RS232 + RS485, Max 5 ports	7	177×95×82mm
H60S0T-e	H60S2T-e	H60S0T	H60S2T	36	24 Transistor NPN	8 Channels A/B phase, 16 points 200KHz	8 Channels A/B phase, 16 points 200KHz	RS232 + RS485, Max 5 ports	7	
H60S0P-e	H60S2P-e	H60S0P	H60S2P	36	24 Transistor PNP	8 Channels A/B phase, 16 points 200KHz	8 Channels A/B phase, 16 points 200KHz	RS232 + RS485, Max 5 ports	7	

* Support linear interpolation, ARC interpolation, Synchronism pulse output
* Support absolute address, relative address, Support backlash compensation
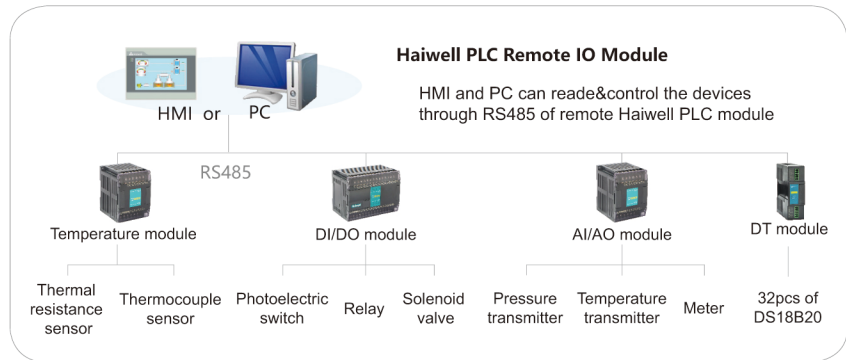* Support electric original point redefine etc.
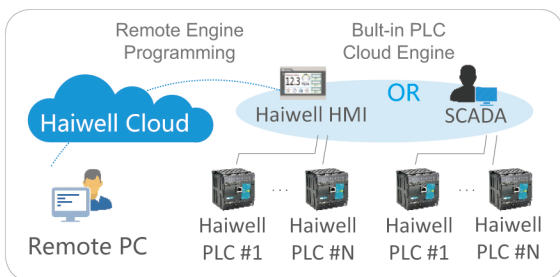
Remote Programming
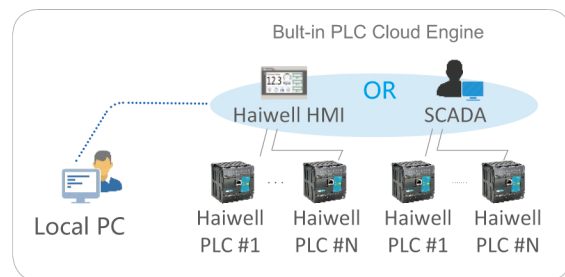
Local Programming

Remote IO Functions

- Support parallel bus and serial bus, can work with PLC host or running independently.
- Can be insatalled independently without PLC system points limitation.
- Long distance. Fexible configuration. Low cost.

Haiwell PLC Remote IO Module

HMI and PC can reade&control the devices through RS485 of remote Haiwell PLC module

HMI or PC

RS485

| Temperature module | DI/DO module | AI/AO module | DT module |

Thermal resistance sensor | Thermocouple sensor | Photoelectric switch | Relay | Solenoid valve | Pressure transmitter | Temperature transmitter | Meter | 32pcs of DS18B20

Digital I/O Modules

Ethernet Model	Model	Specification			Dimension WxHxD
24V DC	24V DC	DI	DO	Communication	
	H08DI	8			
	H08DOR		8 Relay		
	H08DOT		8 Transistor NPN		
	H08DOP		8 Transistor PNP		30×95×82mm
	H08XDR	4	4 Relay		
	H08XDT	4	4 Transistor NPN		
	H08XDP	4	4 Transistor PNP		
	H16DI	16		RS485, supports remote function	
	H16DOR		16 Relay	RS485, supports remote function	
	H16DOT		16 Transistor NPN	RS485, supports remote function	
	H16DOP		16 Transistor PNP	RS485, supports remote function	70×95×82mm
	H16XDR	8	8 Relay	RS485, supports remote function	
	H16XDT	8	8 Transistor NPN	RS485, supports remote function	
	H16XDP	8	8 Transistor PNP	RS485, supports remote function	
H24DI-e	H24DI	24		RS485, supports remote function	
H24XDR-e	H24XDR	12	12 Relay	RS485, supports remote function	
H24XDT-e	H24XDT	12	12 Transistor NPN	RS485, supports remote function	93×95×82mm
H24XDP-e	H24XDP	12	12 Transistor PNP	RS485, supports remote function	
H40DI-e	H40DI	40		RS485, supports remote function	
H36DOR-e	H36DOR		36 Relay	RS485, supports remote function	
H36DOT-e	H36DOT		36 Transistor NPN	RS485, supports remote function	
H36DOP-e	H36DOP		36 Transistor PNP	RS485, supports remote function	
H40XDR-e	H40XDR	20	20 Relay	RS485, supports remote function	131×95×82mm
H40XDT-e	H40XDT	20	20 Transistor NPN	RS485, supports remote function	
H40XDP-e	H40XDP	20	20 Transistor PNP	RS485, supports remote function	
H64XDR-e	H64XDR	32	32 Relay	RS485, supports remote function	
H64XDT-e	H64XDT	32	32 Transistor NPN	RS485, supports remote function	
H64XDP-e	H64XDP	32	32 Transistor PNP	RS485, supports remote function	177×95×82mm

Analog I/O Modules

Ethernet Model	Model	Specification				Dimension WxHxD
24V DC	24V DC	AI	AO	Conversion Accuracy	Communication	
	S04AI	4		12 bits	RS485, supports remote function	
	S04AO		4	12 bits	RS485, supports remote function	
	S04XA	2	2	12 bits	RS485, supports remote function	70×95×82mm
S08AI-e	S08AI	8		12 bits	RS485, supports remote function	
S08AO-e	S08AO		8	12 bits	RS485, supports remote function	
S08XA-e	S08XA	4	4	12 bits	RS485, supports remote function	93×95×82mm

Temperature & Humidity Modules

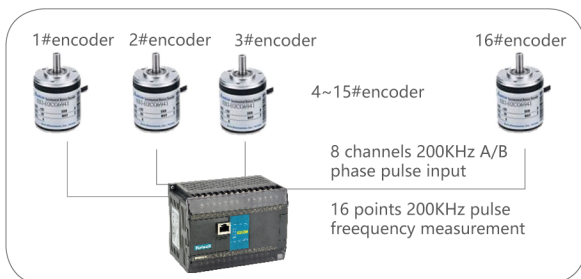| Ethernet Model	Model	Specification			Dimension WxHxD
24V DC	24V DC	Sensor	Conversion ccuracy	Communication	
	H04DT	4 Channels DS18B20, RW1820 temperature sensor, DS1990 sensor or SHT1x, SHT7x temperature & humidity sensor	9~12 bits	/	30×95×82mm
	H32DT	32 Channels DS18B20, RW1820 temperature sensor, DS1990 sensor	9~12 bits	RS485, supports remote function	
	H04RC	4 thermal resistance	16 bits	RS485, supports remote function	70×95×82mm
	H04TC	4 thermocouple	16 bits	RS485, supports remote function	
	H08TC	8 thermocouple	16 bits	RS485, supports remote function	
H08RC-e	H08RC	8 thermal resistance	16 bits	RS485, supports remote function	93×95×82mm

Functional Modules

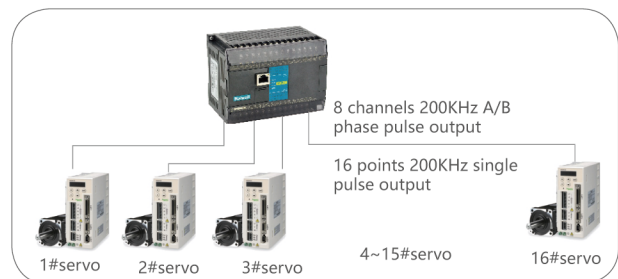| Ethernet Model	Model	Specification				Dimension WxHxD
24V DC	24V DC	Type	Specification	Conversion Accuracy	Communication	
	H01WG	Load Cell Module	1 channel weighing	24 bits	RS485, supports remote function	30×95×82mm
	H02WG		2 channels weighing	24 bits	/	

Communication Modules

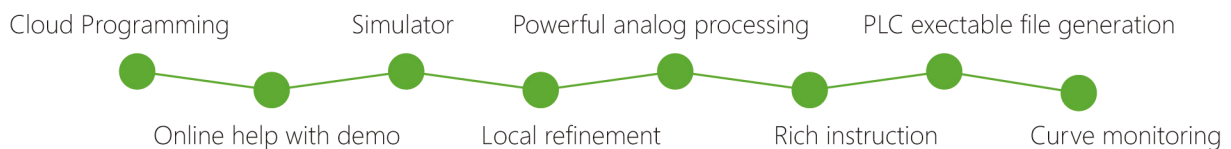| Model	Specification	Dimension WxHxD
S01RS	With isolation ,1 RS232/RS485 communication port, Modbus RTU/ASCII protocol, freedom communication protocol, Haiwellbus high speed communication protocol, Baud rate 1200~57600bps	30×95×82mm

Haiwell PLC with 16 encoders

1#encoder 2#encoder 3#encoder 16#encoder

4~15#encoder

8 channels 200KHz A/B phase pulse input

16 points 200KHz pulse freequency measurement

Haiwell PLC with 16 servos

8 channels 200KHz A/B phase pulse output

16 points 200KHz single pulse output

1#servo 2#servo 3#servo 4~15#servo 16#servo

HaiwellHappy - PLC programming Software

Cloud Programming   Simulator   Powerful analog processing   PLC exectable file generation

Online help with demo   Local refinement   Rich instruction   Curve monitoring

海纳百川

诚信有为

XIAMEN HAIWELL TECHNOLOGY CO., LTD.

Add: 7th F, Torch Hi-tech Building, No.3699 Xiangan
North Road, Xiamen, Fujian, China. 361101
Tel: +86-592-2230312   Hotline: +86-4000-360-362
Email: service@haiwell.com
Website: wwww.haiwell.com

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