

# A-Series PLC SYSTEM CPU - Modules - HMI

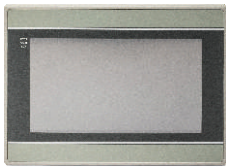
## INTRODUCTION

A-series integrated PLC system, including CPU, modules and touch screens, is a versatile and programmable logic controller, expandable with external modules.

It is typically suitable for simple stepper position applications, thanks to easy and flexible parameters setting.

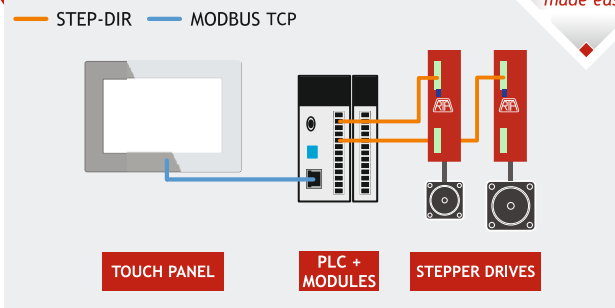
It perfectly integrates with R.T.A. selected products and technologies, forming an easy-to-use control system.

## TOUCH SCREENS



- Easy integration with the PLC System
- Compact size
- Quick installation

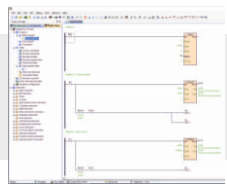
## R.T.A. PLC SYSTEM



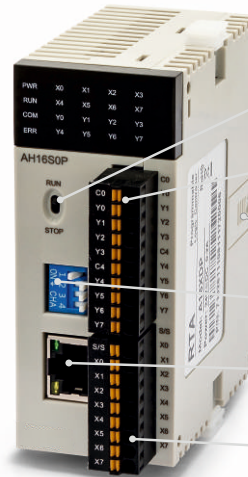
POSITIONING CONTROL  
*made easy*

## LADDER LOGIC

Programming System



### CPU MODELS AH16S0P AT16S0P



RUNNING SWITCH

REMOVABLE TERMINAL BLOCK (OUTPUT)

EXPANSION INTERFACE

DIP SWITCH

ETHERNET INTERFACE

REMOVABLE TERMINAL BLOCK (INPUT)

A16XDP

STATUS INDICATOR

REMOVABLE TERMINAL BLOCK (OUTPUT)

REMOVABLE TERMINAL BLOCK (INPUT)

mm 65



mm 95

ULTRA COMPACT SIZE

### MODULES MODELS A16XDP A04XA A04TC

## MAIN FEATURES

CPU MAIN FEATURES		
	AH16S0P	AT16S0P
PULSE/TRAIN AXES	4	2
MOVEMENT	Single and multi-axes	Single axes movement
ETHERNET	yes	yes
EXPANDABLE	15 modules	15 modules
INPUT/OUTPUT	8 Digital Input / 8 Digital Output	

MODULES MAIN FEATURES			
	A16XDP	A04XA	A04TC
DIGITAL INPUT	8	0	0
DIGITAL OUTPUT	8	0	0
ANALOG INPUT		2	0
ANALOG OUTPUT		2	0
THERMOCOUPLE			4



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## TECHNICAL SPECIFICATIONS

PLC SPECIFICATIONS	AH16S0P	T16S0P
POWER SUPPLY	24 VDC $\pm$ 15%	
POWER PROTECTION	DC input power polarity reverse, over voltage protection	
STEP/DIR OUTPUT	4 (200KHz, 24V PNP)	2 (200KHz, 24V PNP)
AB ENCODER INPUT	4 (200KHz, 24V PNP)	2 (200KHz, 24V PNP)

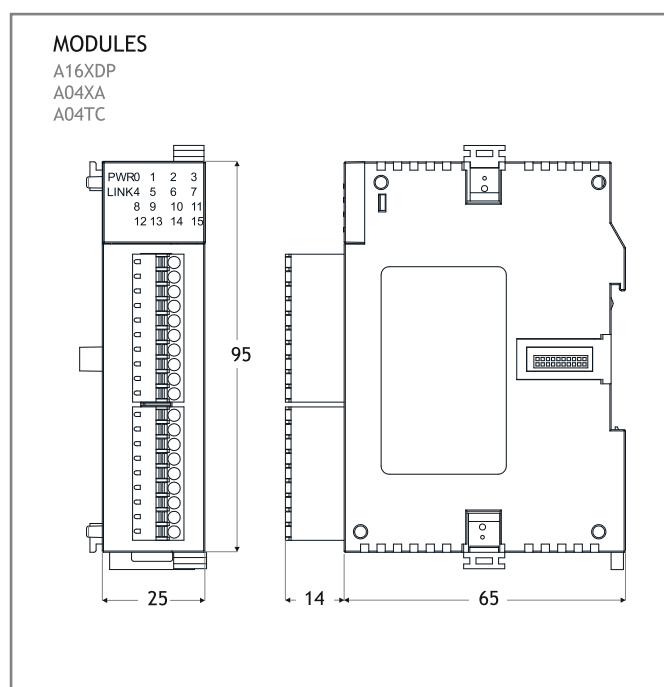
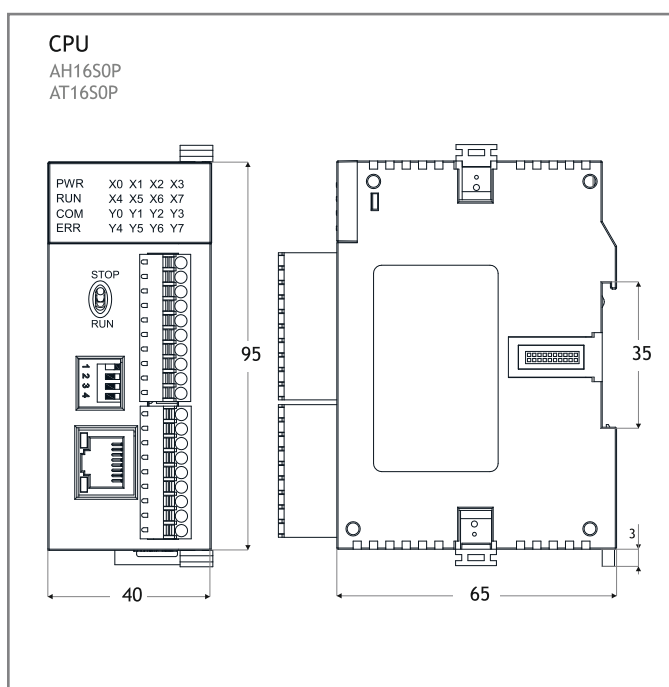
DIGITAL INPUT SPECIFICATIONS	
INPUT SIGNAL	24 VDC PNP
INPUT IMPEDANCE	4.3K $\Omega$
MAX INPUT CURRENT	10 mA
INSULATION TYPE	Optoelectronic isolation for each channel

DIGITAL OUTPUT SPECIFICATIONS	
MAX LOAD	0,5A/1 point, 2A/4 points COM, 24VDC PNP
REACTION TIME	Off->On 10 ms, On->Off 5 ms
INSULATION TYPE	Optoelectronic isolation for each channel

ANALOG INPUT / OUTPUT SPECIFICATIONS					
	VOLTAGE INPUT/OUTPUT			CURRENT INPUT/OUTPUT	
INPUT/OUTPUT RANGE	0V - +10V	0V - +5V	1V - +5V	0 - 20 mA	4 - 20 mA
RESOLUTION	2.5 mV	1.25 mV	1.25 mV	5 $\mu$ A	
DIGITAL INPUT/OUTPUT RANGE	12 bits, Code range: 0~ 32000				

THERMOCOUPLE MODULE SPECIFICATIONS	
INPUT RANGE	IS, K, E, B, N, R, Wre/25, Wre5/26, [0, 20]mV, [0, 50]mV, [0, 100]mV
RESOLUTION	0.1 °C
MAX INPUT RANGE	$\pm$ 30mA
RESPONSE TIME	560ms/4 Channel
DIGITAL OUTPUT RANGE	12 bits, Code range: 0 ~ 32000

## MECHANICAL DIMENSIONS (mm)



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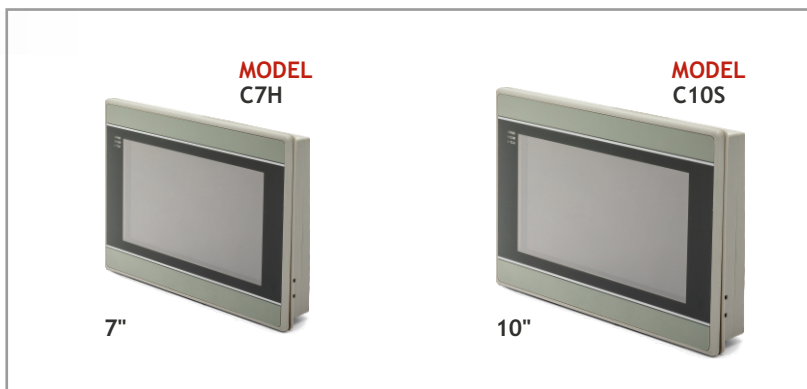
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# HMI Touch Screen C7H - C10S

## MAIN FEATURES

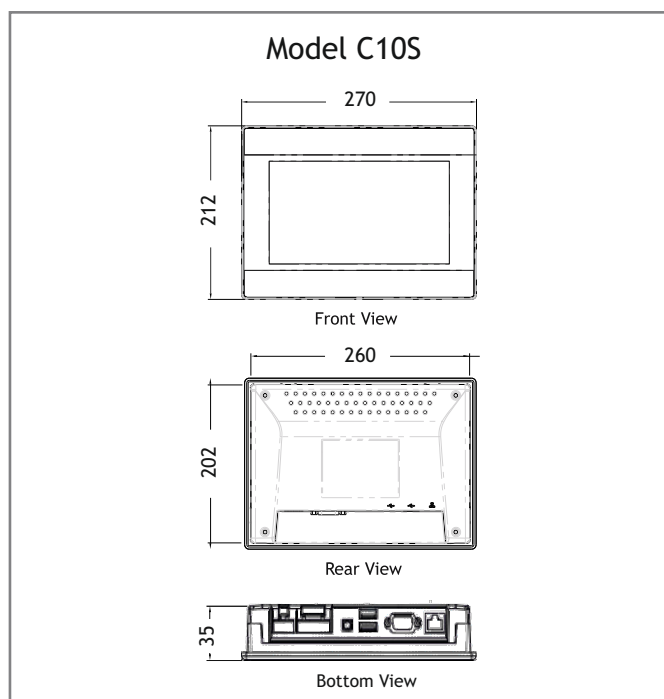
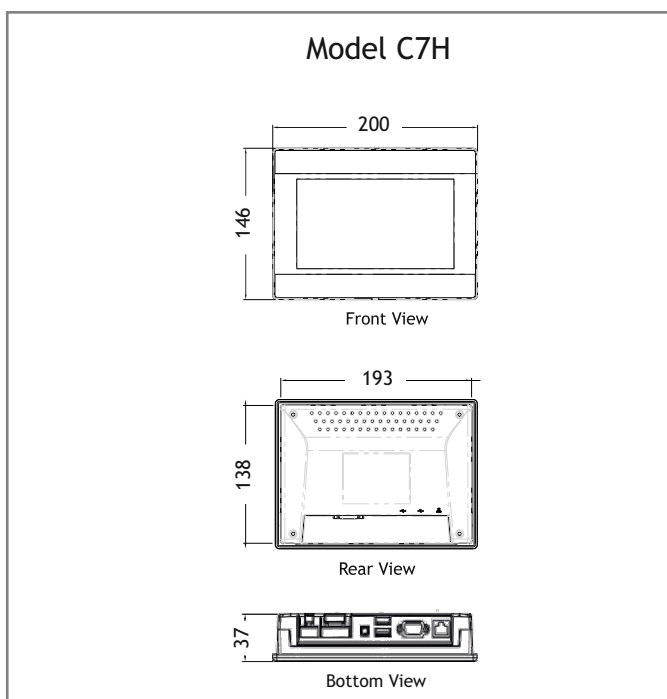
- 2 serial ports, 2 USB ports, SD card.
- Compact size for easy installation
- Easy integration with A-series PLC
- R.T.A. support team



## TECHNICAL SPECIFICATIONS

	MODEL	C7H	C10S
DISPLAY	DISPLAY	7"	10.1"
	RESOLUTION	1024x600 pixels	1024x600 pixels
MEMORY	FLASH	4 Gb	
	RAM	512 Mb	
DIMENSIONS	DIMENSION	200x146x37 mm	270x212x35 mm
	WEIGHT	0.8 Kg	1.3 Kg
POWER	POWER CONSUMPTION	24±20% VDC	
	INPUT POWER	7 W	10 W

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