

Product Display



Our cobot arms can support Code&modular&drag-and-drop teaching programming, also support ROS secondary development, which is very friendly to users. With its emergence, it not only improves the efficiency of human_machine collaboration, but also speeds up the automation process for more enterprises and frees floor space and lowers the cost of implementing robots for manufacturers.

	Model	ERA-M3T		ERA-M3		ERA-M5		ERA-M10		ERA-M16		ERA-M20		ERA-M30	
Specification	Payload	3kg		3kg		5kg		10kg		16kg		20kg		30kg	
	Reach	622mm		622mm		922mm		1400mm		1076mm		1854mm		1403mm	
	Range/Axis	6		6		6		6		6		6		6	
	HMI	10.1 inch teach pendant(optional) or Web terminal APP													
Movement	Repeatability	±0.1mm		±0.02mm		±0.02mm		±0.05mm		±0.03mm		±0.1mm		±0.1mm	
	Axis Movement	Working Range	Working Speed	Working Range	Working Speed	Working Range	Working Speed	Working Range	Working Speed	Working Range	Working Speed	Working Range	Working Speed	Working Range	Working Speed
	Axis 1(Base)	±175°	±180°/s	±175°	±180°/s	±175°	±180°/s	±175°	±120°/s	±175°	±120°/s	±175°	±120°/s	±175°	±120°/s
	Axis 2(Shoulder)	+85°/-265°	±180°/s	+85°/-265°	±180°/s	+85°/-265°	±180°/s	+85°/-265°	±120°/s	+85°/-265°	±120°/s	+85°/-265°	±120°/s	+85°/-265°	±120°/s
	Axis 3(Elbow)	±150°	±180°/s	±150°	±180°/s	±160°	±180°/s	±160°	±180°/s	±160°	±180°/s	±160°	±120°/s	±160°	±120°/s
	Axis 4((Wrist 1))	+85°/-265°	±180°/s	+85°/-265°	±180°/s	+85°/-265°	±180°/s	+85°/-265°	±180°/s	+85°/-265°	±180°/s	+85°/-265°	±180°/s	+85°/-265°	±180°/s
	Axis 5(Wrist 2)	350	±180°/s	±175°	±180°/s	±175°	±180°/s	±175°	±180°/s	±175°	±180°/s	±175°	±180°/s	±175°	±180°/s
	Axis 6(Wrist 3)	±175°	±180°/s	±175°	±180°/s	±175°	±180°/s	±175°	±180°/s	±175°	±180°/s	±175°	±180°/s	±175°	±180°/s
	Typical TCP Speed	1m/s		1m/s		1m/s		1.5m/s		1m/s		2m/s		2m/s	
Features	IP Classification								IP54						
	Noise								<65dB						
	Robot Mounting								Any Orientation						
	IO port								DI 2 DO 2						
									AI 1 AO 1						
	Power Supply								24V/1.5A						
	Communication	I/O, TCP/IP,Modbus_TCP/RTU,Profinet													
Development Environment	C#/C++/Python/Java/ROS														
Physical	Footprint	125mm		128mm		149mm		190mm		190mm		240mm		240mm	
	Weight	about 10kg		about 15kg		about 22kg		about 40kg		about 40kg		about 65kg		about 65kg	
	Operation Temperature	0-45°C													
	Operation Humidity	90%RH(non consensing)													
	Materials	Aluminum, Steel													

Controller Specifiation



	Mini Control Box	2KW Control Box	4KW Control Box
IP classification	IP54		
Operating temperature	0-45°C		
Operating humidity	90%RH(non-condensing)		
I/O Ports	Digital Input(DI) 16 Digital Output(DO) 16		
	Analog Input(AI) 2 Analog Output(AO) 2		
	High speed pulse input) 2		
I/O power supply	24V/1.5A		
Standard communication	I/O、TCP/IP、 Modbus_TCP/RTU		
Optional communication	CC-Link、 Profinet、 Ethernet/IP、 EtherCAT		
Software development kit	C#/C++/Python/ROS/ROS2		
Size(L*W*H)	245*180*44.5mm	245*180*44.5mm(No protrusions)	245*180*89mm(No protrusions)
Weight	2.1KG	2.5KG	3.6KG
Materials	Galvanized plate		
Power Supply	30-60VDC	176-264VAC ~ 50-60Hz 100-240VAC ~ 50-60Hz	100-240VAC ~ 50-60Hz

● Mini Control Box is with 48VDC power supply, most commonly used for Composite Robot with AGV/SGV. (Applies to ERA-M3/ERA-M5/ERA-M10/ERA-M16)

● 2KW Control Box is 220VAC, applied to ERA-M3/ERA-M5/ERA-M10/ERA-M16. (Standard packed with this one)

● 4KW Control Box is 220VAC, applied to ERA-M20/ERA-M30.

Teach Pendant[Optional]



The teach pendant, computer, tablet or mobile phone is connected to the WebAPP system to realize the operation of the collaborative robot.

- The user interface is more intuitive
- Wide range of technological packages
- Cloud deployment provides greater convenience

Features	IP classification	IP54
	Operating humidity	90%RH(non-condensing)
	Display resolution	1280 x 800 pixels
Physical	Size(L*W*H)	268*210*88mm
	Weight	1.6kg
	Materials	ABS、 PP
	Cable length	5M

Human—cobot interaction tools for basic interaction functions. It can be linked with computers, tablets and other devices through the RJ45 interface, and directly log in to the Web App teaching interface.

Simple to Use

Easy to Operate

Flexible to deploy

Features	IP classification	IP54
	Button function	Manual/Auto, Drag, Point Record, Match or Not with Safety Button Box, Start/Stop, Shutdown
	Communication	TCP/IP
	Network transfer rate	100M
	Power over ethernet	Standard POE
Physical	Size(L*W*H)	136*60*66mm(No protrusions)
	Weight	Cable weight included
	Materials	ABS
	Cable length	5M
	Number of keys	≥20W

SAFETY BOX

