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PRODUCT DISPLAY



FR3



FR5



FR10



FR16



FR20



SPECIFICATION

	FR3		FR5		FR10		
Specification	Payload	3kg	5kg	10kg			
	Reach	622mm	922mm	1400mm			
	Range	6	6	6			
	HMI	10.1 inch teach pendant or mobile terminal APP					
Movement	Repeatability	±0.02mm	±0.02mm	±0.05mm			
	Axis movement	Working range	Maximum speed	Working range	Maximum speed	Working range	Maximum speed
	1 Axle	±175°	±180°/s	±175°	±180°/s	±175°	±120°/s
	2 Axle	+ 85°/ - 265°	±180°/s	+ 85°/ - 265°	±180°/s	+ 85°/ 265°	±120°/s
	3 Axle	±150°	±180°/s	±160°	±180°/s	±160°	±180°/s
	4 Axle	+ 85°/ - 265°	±180°/s	+ 85°/ - 265°	±180°/s	+ 85°/ 265°	±180°/s
	5 Axle	±175°	±180°/s	±175°	±180°/s	±175°	±180°/s
	6 Axle	±175°	±180°/s	±175°	±180°/s	±175°	±180°/s
	Typical TCP speed	1m/s	1m/s	1.5m/s			
	Features	IP classification	IP54 (Optional IP66)		IP54 (Optional IP66)		IP54 (Optional IP66)
Noise		<65dB		<65dB		<65dB	
Robot mounting		Any orientation		Any orientation		Any orientation	
I/O		(DI) 2	(DO) 2	(DI) 2	(DO) 2	(DI) 2	(DO) 2
		(AI) 1	(AO) 1	(AI) 1	(AO) 1	(AI) 1	(AO) 1
Power supply		24V/1.5A		24V/1.5A		24V/1.5A	
Communication	I/O、TCP/IP、Modbus_TCP/RTU、Profinet		I/O、TCP/IP、Modbus_TCP/RTU、Profinet		I/O、TCP/IP、Modbus_TCP/RTU、Profinet		
Development environment	C#/C++/Python/java/ROS		C#/C++/Python/java/ROS		C#/C++/Python/java/ROS		
Physical	Footprint	130mm		150mm		190mm	
	Weight	≈15kg		≈22kg		≈40kg	
	Operating temperature	0-45		0-45		0-45	
	Operating humidity	90%RH(non-condensing)		90%RH(non-condensing)		90%RH(non-condensing)	
	Materials	Aluminium、Steel		Aluminium、Steel		Aluminium、Steel	



SPECIFICATION

	FR16		FR20	
Specification	Payload	16kg	20kg	
	Reach	1076mm	1868mm	
	Range	6	6	
	HMI	10.1 inch teach pendant or mobile terminal APP		
Movement	Repeatability	±0.03mm	±0.1mm	
	Axis movement	Working range	Maximum speed	Working range Maximum speed
	1 Axle	±175°	±120°/s	±175° ±120°/s
	2 Axle	+ 85°/ 265°	±120°/s	+ 85°/ 265° ±120°/s
	3 Axle	±160°	±180°/s	±160° ±120°/s
	4 Axle	+ 85°/ 265°	±180°/s	+ 85°/ 265° ±180°/s
	5 Axle	±175°	±180°/s	±175° ±180°/s
	6 Axle	±175°	±180°/s	±175° ±180°/s
	Typical TCP speed	1m/s	2m/s	
Features	IP classification	IP54 (Optional IP66)	IP54 (Optional IP66)	
	Noise	<65dB	<65dB	
	Robot mounting	Any orientation	Any orientation	
	I/O	(DI) 2 (DO) 2	(DI) 2 (DO) 2	
		(AI) 1 (AO) 1	(AI) 1 (AO) 1	
	Power supply	24V/1.5A	24V/1.5A	
	Communication	I/O、TCP/IP、Modbus_TCP/RTU、Profinet	I/O、TCP/IP、Modbus_TCP/RTU、Profinet	
Development environment	C#/C++/Python/java/ROS	C#/C++/Python/java/ROS		
Physical	Footprint	190mm	240mm	
	Weight	≈40kg	≈65kg	
	Operating temperature	0-45	0-45	
	Operating humidity	90%RH(non-condensing)	90%RH(non-condensing)	
	Materials	Aluminium、Steel	Aluminium、Steel	



SAFTY BOX



Human-computer interaction tool, which can realize basic interactive functions. It can be linked with computers, tablets and other devices through the RJ45 interface, and directly log in to the web teaching interface.

- Simple to use
- Easy to operate
- Flexible to deploy

Features	IP classification	IP54
	Network transfer rate	100M Standard POE
	Number of keys	≥20W Order
Physical	L*W*H	136*60*66mm
	Weight	490g (Belt weight)
	Materials	ABS
	Cable length	5m

TEACH PENDANT [Optional]

All operations are gathered in the hand



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

MINI BOX



Small size, light weight, convenient installation and flexible deployment; Provide rich interfaces: I/O, TCP/IP, Modbus_TCP/RTU, Profinet etc., supporting for multiple development environment: C#/C++/Python/java/ROS, etc.

Features	IP classification	IP54
	Operating temperature	0-45°C
	Operating humidity	90%RH(non-condensing)
Physical	I/O	(DI) 16 (DO) 16 (AI) 2 (AO) 2 (High speed pulse input) 2
	Power supply	24V/1.5A
	L*W*H	245*180*44.5mm
	Weight	2.1kg
	Materials	Galvanized sheet

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