SIASUN 新松

Product Catalog for SIASUN SCARA Robots

High-speed · High precision · Easy maintenance · Economical and durable

SIASUN
SCARA Robot Family

3 Major Series
7 Products

Advantages

This series includes 7 models of 4-axis SCARA robots with payloads ranging from 4kg to 10kg and reach distances from 400mm to 800mm, capable of meeting a wider range of application needs. The robots feature lightweight and compact design, outstanding performance, fast deployment, and easy to use.

Lightweight

Lightweight/compact structural design. Lower body weight enables easier deployment. Reduced overall height minimizes space constraints.

High-Performance

Newly developed proprietary core components and dual-support structure deliver higher payload capacity, greater precision, faster speed, better rigidity, and reduced vibration.

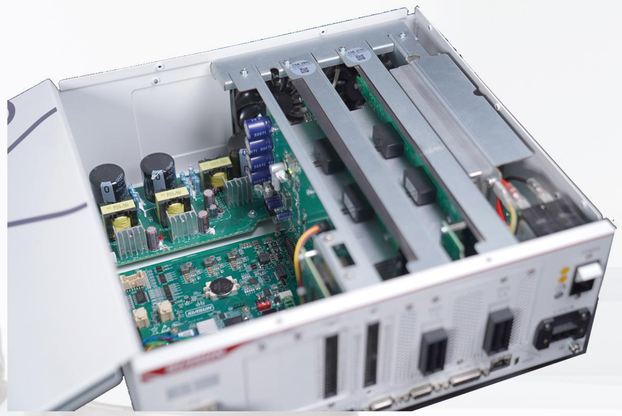
Easy to Use

Abundant user cables on the body, all-new S-series control cabinet, supports multiple programming and teaching methods, meets more automation scenarios while reducing overall maintenance costs.

01

The robot arm comes standard with multiple air tubes, signal lines, and a CAT5E Ethernet port to meet diverse fixture and gripper usage requirements.

02



New-generation integrated drive and control cabinet

With an 18% smaller volume and 60% lighter weight, it is easier to install and deploy.

Rich panel interfaces with stronger expandability

Higher electrical deployment efficiency and simplified solutions

03

It supports programming via the SNRobotLab PC software as well as traditional teach pendant programming methods.

The programming environment is user-friendly, with a clear and well-organized layout that is simple and easy to understand.

Rich in functionality, it supports various variable types, communication methods, and motion control modes.

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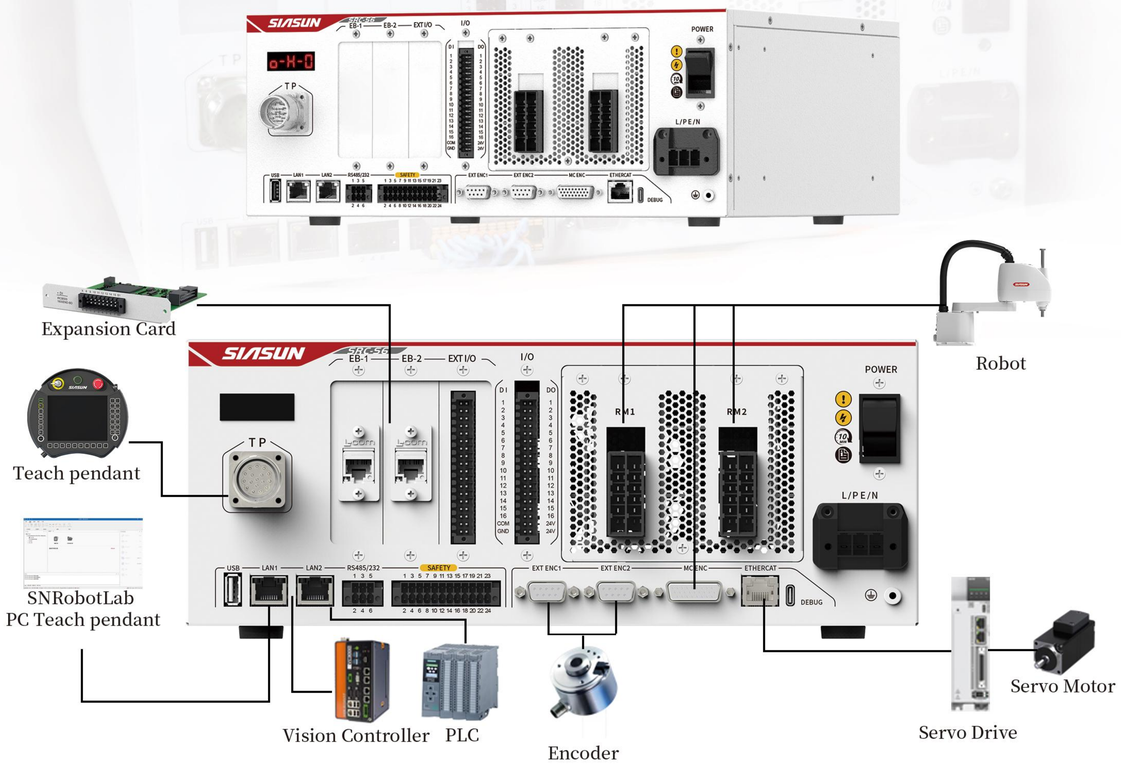
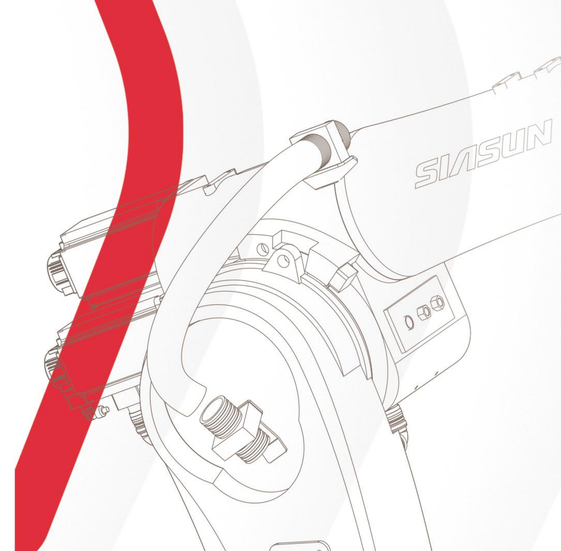
SIASUN SCARA Robotics

Model		SA4A-4/0.40	SA7A-7/0.50	SA7A-7/0.60	SA7A-7/0.70	SA10A-10/0.60	SA10A-10/0.70	SA10A-10/0.80
Working Radius	J1+J2	400mm	500mm	600mm	700mm	600mm	700mm	800mm
	J1	225mm	225mm	325mm	425mm	225mm	325mm	425mm
	J2	175mm	275mm	275mm	275mm	375mm	375mm	375mm
Payload	Rated	2kg	3kg	3kg	3kg	5kg	5kg	5kg
	Max.	4kg	7kg	7kg	7kg	10kg	10kg	10kg
Max.motion speed	J1+J2	7120mm/s	7120mm/s	7850mm/s	9100mm/s	9100mm/s	9800mm/s	10500mm/s
	J3	1150mm/s	1150mm/s	1150mm/s	1150mm/s	1150mm/s	1150mm/s	1150mm/s
	J4	2600°/s	2000°/s	2000°/s	2000°/s	2700°/s	2700°/s	2700°/s
Motion Range	J1	±132°	±132°	±132°	±132°	±132°	±132°	±132°
	J2	±141°	±150°	±150°	±150°	±150°	±150°	±150°
	J3	150mm	200mm	200mm	200mm	200mm(Optional 300mm)	200mm(Optional 300mm)	200mm(Optional 300mm)
	J4	±360°	±360°	±360°	±360°	±360°	±360°	±360°
Repetability	J1+J2	±0.01mm	±0.02mm	±0.02mm	±0.02mm	±0.02mm	±0.02mm	±0.02mm
	J3	±0.01mm	±0.01mm	±0.01mm	±0.01mm	±0.01mm	±0.01mm	±0.01mm
	J4	±0.01°	±0.01°	±0.01°	±0.01°	±0.01°	±0.01°	±0.01°
Allowable inertia of J4	Rated	0.005kg·m²	0.01kg·m²	0.01kg·m²	0.01kg·m²	0.02kg·m²	0.02kg·m²	0.02kg·m²
	Max.	0.05kg·m²	0.12kg·m²	0.12kg·m²	0.12kg·m²	0.3kg·m²	0.3kg·m²	0.3kg·m²
Weight of robot		13kg	19kg	20kg	21kg	22kg	23kg	24kg
Takt time		0.38s	0.36s	0.37s	0.38s	0.36s	0.39s	0.42s
Press-fit force at J3		100N	150N	150N	150N	200N	200N	200N
Mounting holes		120 x120(135)mm(4-ø9mm)	150 x 150mm(4-ø9mm)	150 x 150mm(4-ø9mm)	150 x 150mm(4-ø9mm)	150 x 150mm(4-ø9mm)	150 x 150mm(4-ø9mm)	150 x 150mm(4-ø9mm)
IP Class		IP20	IP20	IP20	IP20	IP20	IP20	IP20
Noise level		≤70dB(A)	≤70dB(A)	≤70dB(A)	≤70dB(A)	≤70dB(A)	≤70dB(A)	≤70dB(A)
Input Power		150w	230w	230w	230w	200w	200w	200w
User cable		15（15pin:D-sub)						
		Ethernet port CAT5E						
		Cable Lenght Standard: 3m， Optional: 5m, 10m						
User piping		1xø4mm ,2xø6mm Air piping.Pressure resistance: 0.59Mpa						
Ambient conditions	Temp.	0℃~45℃						
	Humidity	10%~80%						
Installation		Tabletop mounting						

SIASUN Controller



Model		SRC S6 Controller
Installation Method		Vertical / Horizontal / 19-inch Rack-Mount Installation
Dimensions		320mm(Depth) x340mm(Width) x133mm(Height)
Weight		9kg
Protection Rating		IP20
User I/O		DI:16，DO:16
Standard Communication Interfaces	Ethernet	Ethernet-TCP/IP、PROFINET、ModbusTCP
		PC-based Teaching Pendant Interface / Physical Teaching Pendant
	EtherCAT	EtherCAT Master
	RS485/232	For internal use
	USB2.0	1 Port
Optional	Expansion Slot	DI：16，DO：16 expansion card
Power Input		200~240VAC Single-Phase, 50/60Hz
Leakage Current		< 30mA
Insulation Resistance		≥ 100 MΩ
Safety Interface		Teaching Pendant、External Emergency Stop、Safety Door、Start Confirmation
Power-On Time Interval		2s
Transportation & Storage	Temp.	-20℃~70℃
	Humidity	≤ 95%RH
Operating Conditions	Temp.	0℃~45℃
	Humidity	≤ 95%RH
	Max.altitude	1000m
Noise		≤ 65dB



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