

Epson® GX10C SCARA Robot



Epson GX—taking SCARA performance to the next level.

Ultra high performance and flexibility — high throughput with heavy payloads and multiple arm configurations to accomplish the most demanding assembly needs

Fast cycle times — high acceleration, smooth motion and fast settling times help maximize throughput with proprietary GYROPLUS™ vibration reduction system, plus no ringing or overshoot¹

Ultimate ease of use — intuitive and feature-packed Epson RC+® development software helps create powerful solutions with a simple user interface, integrated debugger and advanced 3D simulator

Designed for reliability — innovative, compact design handles heavy workloads at fast speeds and high precision within a small footprint

Low total cost of ownership — includes features that help reduce support and installation costs: batteryless encoders, a built-in Ethernet cable, Epson RC+ software and a rich suite of safety features

Accelerate the development of workcell applications — fully integrated, optional solutions include vision guidance, parts feeding, force guidance, conveyor tracking and fieldbus; Epson RC+ Solutions Platform allows for seamless expansion of third-party solutions, benefiting developers and end users

Increase user interaction without sacrificing productivity — SafeSense™ technology's standard and advanced safety features, with a proper risk assessment, help allow for increased productivity and worker protection while potentially minimizing machine footprint due to the reduction of physical barriers

Minimize the workcell space requirement with an optimized robot footprint — multiple mount and cable exit options; 650 mm or 850 mm reach available

Built for demanding environments — Standard, Cleanroom (ISO 3)² and ESD, and Protected IP65 models available

Model Name		GX10C SCARA Robot					
Model Number		GX10-C65x			GX10-C85x		
Mounting Type		Tabletop	Ceiling	Wall	Tabletop	Ceiling	Wall
Arm Length	Joint #1 Plus Joint #2	650 mm			850 mm		
Repeatability	Joints #1 - #2	±0.025 mm					
	Joint #3	±0.010 mm					
	Joint #4	±0.005 deg					
Payload	Rated	5 kg					
	Max.	10 kg					
Standard Cycle Time ³		0.34 sec			0.37 sec		
Max. Motion Range	Joint #1	±152 deg	±107 deg		±152 deg	±107 deg	
	Joint #2 Std				±152.5 deg		
	Joint #2 Clean & Protected	±152.5 deg	±130 deg		Z: 0--360 mm ± 152.5 deg Z: -360--390 mm ± 151 deg		
	Joint #3 Std	180 mm/420 mm					
	Joint #3 Clean	150 mm/390 mm					
	Joint #4	±360 deg					
Joint #4 Allowable Moment of Inertia ⁴	Rated	0.02 kg-m ²					
	Max.	0.25 kg-m ²					
Joint #3 Downforce		250 N					
User Electric Lines		15-pin (D-sub), 9-pin (D-sub)					
User Pneumatic Lines		ø4 mm x2, ø6 mm x2					
Brakes		Joint #3 and Joint #4					
Power		AC 200 V - 240 V (single phase)					
Power Consumption		2.5 kVa					
Power Cable Length		3 m/5 m/10 m (straight and angled cable end options)					
Weight (Cables Not Included)		46 kg, 102 lb	51 kg, 112 lb	49 kg, 108 lb	53 kg, 117 lb		
Applicable Controller		RC800A					
Installation Environment		Standard/Cleanroom ISO3 ² & ESD/Protected					
Safety Standards		TUV Certified to meet ISO 10218-1, UL 1740, CSA Z434, ISO 13849					
What's Included		GX10C robot and RC800A controller, E-Stop unit with cable and connector, cable with flying leads for controller E-stop/Safety connection, connector set (I/O, hand I/O and safety circuit connectors)					
Options							
		Vision Guide	Available				
		IntelliFlex™ Feeders	Available				
		Force Guide	Available				
		Conveyor Tracking	Available				
		Epson RC+ API 8.0	R19NZ901JK				
		GUI Builder 8.0	R19NZ901JQ				
		Fieldbus Master	Available				
		Fieldbus Slave (Ethernet/IP, EtherCAT®, PROFINET, PROFIBUS, CC-Link)	Available				
		External Control Point (ECP) 8.0	R19NZ901JL				
		Teach Pendant	Available				
		Epson OPC UA for Robotics	R19NZ901JZ				
		Arm Length Calibration	R19NZ901JW				
		Bellows Kit (Standard and Long Z)	Available				

Support

Customer Service
(562) 290-5920
service@robots.epson.com

Applications Support
(562) 290-5930
applications@robots.epson.com

Sales Inquiries
(562) 290-5997
info@robots.epson.com

1 When operated within specifications. | 2 Complies with ISO Class 3 (ISO 14644-1) and FED-STD-209D Class 1 cleanroom standards. | 3 Cycle time based on round-trip arch motion (300 mm horizontal, 25 mm vertical) with 2 kg payload for tabletop model boost mode (path coordinates optimized for maximum speed). | 4 When payload center of gravity is aligned with Joint #4; if not aligned with Joint #4, set parameters using INERTIA command.

See the latest innovations from Epson Business Solutions at epson.com/forbusiness

Epson America, Inc.
3131 Katella Ave., Los Alamitos, CA 90720

Epson Canada Limited
185 Renfrew Drive, Markham, Ontario L3R 6G3

www.epson.com
www.epson.ca

Specifications and terms are subject to change without notice. EPSON and Epson RC+ are registered trademarks and GYROPLUS is a trademark of Seiko Epson Corporation. IntelliFlex and SafeSense are trademarks of Epson America, Inc. All other product and brand names are trademarks and/or registered trademarks of their respective companies. Epson disclaims any and all rights in these marks. Copyright 2025 Epson America, Inc. CPD-65634R1 2/25

Contact: