



# Spark

7 kg payload robot



USD

\$29,500

Preliminary specs. Shipping Q2 2026.

Performance	Power consumption	Depends on program and payload; likely range from 25W to 1500W
	Ambient temperature range	0-55°C
	Humidity	90%RH (non-condensing)
	Operation	Collaborative or high-speed non-collaborative
Specification	Payload capacity	7 kg (15 lbs)
	Reach	0.9m (36 in)
	Max TCP speed	Expected Feb 1 2026
	Degrees of freedom	6
Physical	Footprint	Ø <200 mm
	Materials	Anodized aluminum, rubber
	Cable length, robot arm	2m (79 in)
	Weight, including cable	21 kg (46 lb)
	IP design	IP69K
	Noise	Depends on program; typically less than 58dB
	Robot mounting	Floor mount <sup>1</sup>
Tooltip connector	Tool connector type	M8 8-pin female
	Compatibility	Electrical and mechanical compatibility with largest gripper ecosystems
	Native gripper support	Two-finger, three-finger, and suction grippers
	Tool I/O ports <sup>2</sup>	Digital In: 2 Digital Out: 2 (Open-drain or push-pull, 1A)  Analog In: 2 (24V tolerant) Analog Out: 0  RS-485 / UART max data rate: 10mbps
	Tool power supply <sup>2</sup>	12V/24V, 6 A continuous max
Control box	IP classification	IP44
	IP class cleanroom	N/A
	Ambient temperature range	0-55° C
	I/O ports	Digital In: 16 (24V Tolerant) Digital Out: 16 (24V 0.7A Out continuous)  24V 0.7A (3A combined if using internal power) 24V 0.7A (12A combined with external power supply)  Analog In: 4 (24V Tolerant)
	Communication <sup>3</sup>	24V I/O TCP/IP Modbus TCP EthernetIP
	Power source	90 ~ 264VAC, 47-63Hz
	Humidity	90%RH (non-condensing)
	Control box size (WxHxD)	455 mm x 380 mm x 288 mm (17.9 in x 14.9 in x 11.3 in)
	Weight	20 kg (44 lbs)
	Materials	Powder coated steel
Movement	Repeatability	+/- 0.025 mm
	Shoulder 1 & 2	Working range: ±360° Maximum speed: Expected Feb 1 2026
	Elbow	Working range: ±360° Maximum speed: Expected Feb 1 2026
	Wrist 1, 2 & 3	Working range: ±360° Maximum speed: Expected Feb 1 2026

1. Ceiling/wall mount enabled in software update.

2. Hardware supported. Software support coming later this year via software update.

3. More industrial protocols to be enabled via software update.

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