



THOR

30 kg payload robot



USD

\$49,500



Performance	Power consumption	Depends on program and payload; range up to 4kW	
	Ambient temperature range	0-55°C	
	Humidity	90%RH (non-condensing)	
	Operation	Collaborative or high-speed non-collaborative	
Specification	Payload capacity	30 kg (66 lbs)	
	Reach	2 m (78 in)	
	Max TCP speed	4 m/s	
	Degrees of freedom	6	
Physical	Footprint	Ø 296 mm	
	Materials	Anodized aluminum, rubber	
	Cable length, robot arm	2m (79 in)	
	Weight, including cable	79 kg (174 lbs)	
	IP design	IP69K	
	Noise	Depends on program; typically less than 58dB	
	Robot mounting	Floor mount ¹	
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 ²	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 ²	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 ³	24V I/O TCP/IP Modbus TCP EthernetIP	
	Power source	90 ~ 264VAC, 47-63Hz	
	Humidity	90%RH (non-condensing)	
	Control box size (WxHxD)	460 mm x 430 mm x 315 mm (18.1 in x 16.9 in x 12.4 in)	
	Weight	14.4kg (31.7 lbs)	
	Materials	Powder coated steel	
	Movement	Repeatability	+/- 0.025 mm
		Shoulder 1 & 2	Working range: ±360° Maximum speed: ±173°/sec
Elbow		Working range: ±360° Maximum speed: ±198°/sec	
Wrist 1, 2 & 3		Working range: ±360° Maximum speed: ±277°/sec	

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.