

# KINOVA

Achieve Extraordinary

KINOVA MICO™ *Robotic arm*

6 DOF

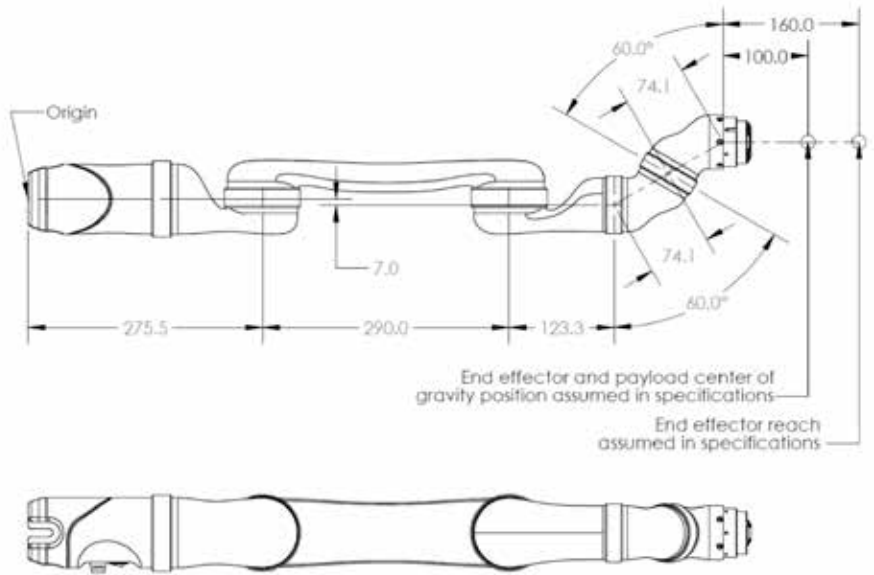
## Specifications



# Tech Specs

KINOVA MICO™  
Robotic arm

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## GENERAL

		NO GRIPPER	2 FINGERS (KG-2)	3 FINGERS (KG-3)
<b>Total weight</b>		4.6 kg	5.2 kg	5.4 kg
<b>Payload capabilities</b>	Mid-range continuous	2.1 kg	1.3 kg	1.1 kg
	Full-reach peak/temporary	1.5 kg	0.8 kg	0.6 kg
<b>Materials</b>	Links	Reinforced plastic		
	Actuators	Aluminum		
<b>Maximum reach</b>		70 cm		
<b>Joint range after start-up</b> <small>(software limitation)</small>		$\pm 27.7$ turns		
<b>Maximum linear arm speed</b>		20 cm/s		
<b>Power supply voltage</b>		18 to 29 VDC, 24 VDC nominal		
<b>Peak power</b>		100 W		
<b>Average power</b>	Operating mode	25 W		
	Standby mode	5 W		
<b>Communication protocol</b>		RS-485		
<b>Communication cables</b>		20 pins flat flex cable		
<b>Expansion pins</b>		2 <small>(on communication bus)</small>		
<b>Water resistance</b>		IPX2		
<b>Operating temperature</b>		-10 °C to 40 °C		

## CONTROLLER

<b>Ports</b>	Joystick	1 Mbps Canbus
	Power supply	18 to 29 VDC, 24 VDC nominal
	USB 2.0 (API)	12 Mbps
	Ethernet (API)	100 Mbps
<b>Control system frequency</b>	High level (API)	100 Hz
	Low level (API)	Up to 500 Hz
<b>CPU</b>		360 MHz
<b>SDK</b>	APIs	High and low level
	Compatibility	Windows, Linux Ubuntu & ROS
	Port	USB 2.0, Ethernet
	Programming languages	C++
<b>Control</b>		Force, cartesian & angular

## SPECIFICATIONS

<b>Actuators #1, #2 &amp; #3</b>	KA-75+
<b>Actuators #4, #5 &amp; #6</b>	KA-58

**KINOVA**

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