

LINK 6 COBOT TOGETHER IN ROBOTICS

Link 6 is an industrial robot with collaborative capabilities, leveraging the latest technologies to support all industries that want to benefit from automation. Proudly made in Québec, Canada in North America, Kinova's newest robot is backed up by 15 years in the business of providing robotics solutions.

BETTER USER EXPERIENCE AND FLEXIBILITY

- › Intuitive user interface with visual programming and faults management for quick onboarding
- › Superior hand-guiding capabilities
- › Excellent integration assistance from our application engineering team
- › Easily adaptable for high mix operations



A WRIST THAT MOVES YOU

- › Innovative multi-usage wrist for ease of use and increased efficiency, including a colored ring annunciator
- › Feed-through power and data allows for smooth cable management experience

FOUNDATION YOU CAN BUILD ON

- › Kinova's Link 6 controller provides market-leading processing power and memory capacity while remaining compact
- › Short cycle time thanks to flexible reach and fast movements - up to 1.65 m/s, ± 360°

OTHER KEY FEATURES

- › Integrated Force Torque Sensor
- › In-arm Gigabit Ethernet at end effector
- › Configurable accelerations for optimal performance
- › Docker container support
- › High reliability hardened steel brakes
- › Integrated Vision (option)
- › Compliant with ISO 10218-1:2011 & EU machinery directives
- › And more

SUITABLE APPLICATIONS

- › Machine Tending
- › Small parts assembly
- › Quality control and assurance
- › Form-Fit and Function inspection
- › Kitting
- › Packaging
- › Bin picking
- › Screw driving
- › And more

TECHNICAL SPECIFICATIONS

GENERAL

Degrees of freedom	6
Continuous payload (full-range, at 200 mm from wrist)	6.0 kg / 13.2 lbs
Maximum reach	1000 mm / 39.4 in
Max joint speeds	Joints 1-3: 180 deg/s – Joints 4-6: 300 deg/s
Joint angle limits	+/- 360 degrees
Max cartesian speed (TCP Translation)	1.65 m/s
Power supply voltage and frequency	110-240 VAC, 50 Hz - 60 Hz
Ambient operating temperature	0 °C to 40 °C / 32 °F to 104 °F
Arm weight (with 5 m cable)	23.45 kg / 51.7 lbs
Safety functions	Safety Functions with PLd Cat3 (in accordance with ISO 13849-1/-2:2015)
Repeatability	Better than 0.05mm
IP Rating	IP54
Arm materials	Aluminum, ABS plastic
Installation orientation	All
Robot base footprint diameter	149 mm / 5.86 in

INTERFACES

Controller interfaces	USB 3.0, Ethernet
Controller I/O	General purpose digital: 8 input/output General purpose analog: 4 programmable input/output Industrial Ethernet : Modbus TCP/IP server for control and monitoring of robot
Wrist I/O (24 V supply)	Digital: 8 programmable input/output Analog: 2 programmable input/output
Wrist - Mechanical	Flange ISO 9409-1-50-4-M6

CONTROLLER

Processor	Intel® Core™ i7 processor ¹
Memory	RAM: 8 GB DDR4 — Storage: 128 GB SSD
Controller weight	17.6 kg / 38.8 lbs
IP Rating	IP54

Contact us to request a demo

