



UR8 Long Robot Arm Performance

Movement

Maximum TCP speed	5 m/s	
Pose repeatability per ISO 9283	± 0.08 mm	
Axis movement	Working range	Maximum speed
Base	± 360°	± 180°/s
Shoulder	± 360°	± 180°/s
Elbow	± 360°	± 240°/s
Wrist 1	± 360°	± 300°/s
Wrist 2	± 360°	± 300°/s
Wrist 3	± 360°	± 300°/s

UR8 Long

Technical specification

The UR8 Long offers a 1750 mm reach and an 8 kg payload in a compact, lightweight design. Ideal for welding, pick & place and quality inspection, it excels in applications requiring precise linear motion and high-speed acceleration. With advanced joint architecture and accurate torque control, it's the perfect cobot for tasks demanding both reach and precision.

Today, more than 100,000 UR collaborative industrial robots have been delivered to customers across industries and around the world. The newest series of UR cobots brings unparalleled performance, adaptability and user experience.

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Features

IP Classification	IP65
Noise	< 67 dB(A)
Status identification	Light ring at robot base
Arm mounting	Any orientation
I/O Ports at tool flange	
Digital In	2
Digital Out	2
Analog In	2 or 1 x RS485
Power supply voltage	12/24 V
Power supply	2 A (Dual pin), 1 A (Single pin)

Physical

Footprint	Ø204 mm
Materials	Aluminum, plastic, steel
Tool flange	EN ISO 9409-1-50-4-M6
Connector type	M8 8-pin female
Cable length (robot arm)	6 m (236 in)
Weight without cable	44.7 kg (98.5 lb)
Humidity	≤ 90% RH (non-condensing)

Contact

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3-Position Enabling Teach Pendant

Features

Physical

Control Box Features

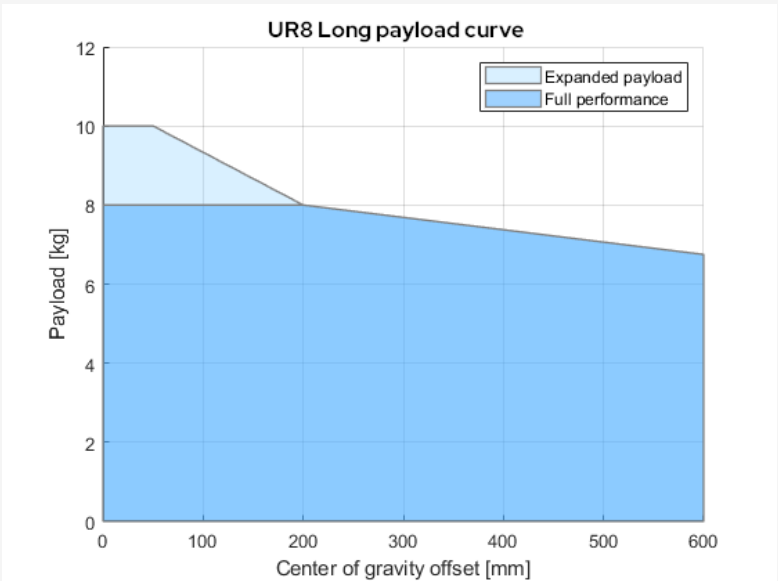
Hardware interfaces

**Only valid for OEM version.*

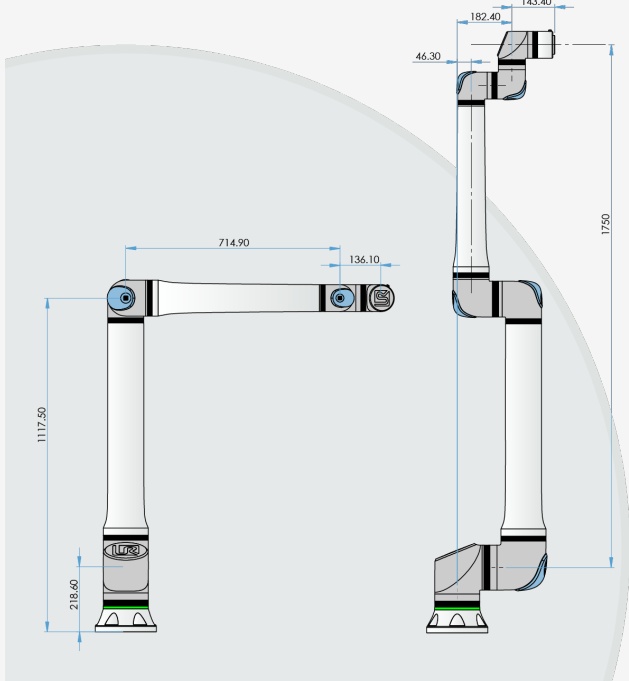
Physical

Control Box Size (W x H x D)	460 mm x 449 mm x 254 mm (18.2 in x 17.6 in x 10 in)
Weight	12 kg (26.5 lbs)
Materials	Powder coated steel

The control box is also available in an OEM version.



Dimensions and reach UR8 Long



May 2026

UNLESS OTHERWISE SPECIFIED:

Dimensions are in millimeters. Tolerance $\pm 0,1 \text{ mm} \pm 0,5^\circ$