



UR8 Long

Technical specification

Long Reach. Lean Footprint. No compromise.

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.

Updated September 2025.

Copyright © 2025 by Universal Robots A/S. All rights reserved.

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 |
| 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 | 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

Universal Robots A/S
 Energievej 51
 5260 Odense
 Denmark

+45 89 93 89 89
sales@universal-robots.com
universal-robots.com

3-Postion Enabling Teach Pendant

Features

| | |
|--------------------|---------------------------|
| IP classification | IP54 |
| Humidity | ≤ 90% RH (non-condensing) |
| Display resolution | 1280 x 800 pixels |

Physical

| | |
|--------------------------------|---|
| Materials | Plastic |
| Teach pendant size (W x H x D) | 300 mm x 231 mm x 50 mm (11.8 in x 9.1 in x 1.97 in) |
| Weight | 1.8 kg (3.961 lbs) including 1 m of teach pendant cable |
| Cable length | 4.5 m (177.17 in) |

Control Box

Features

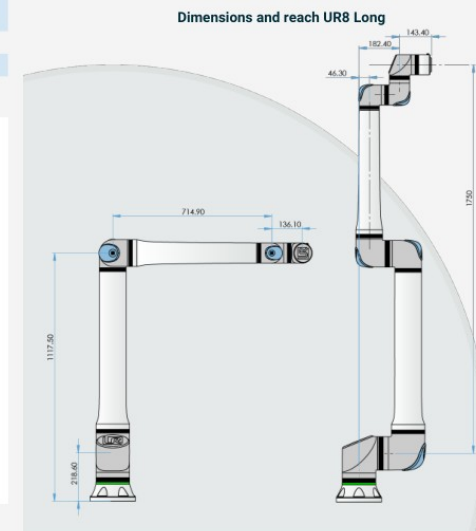
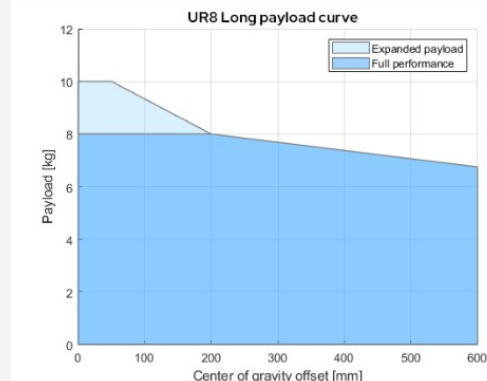
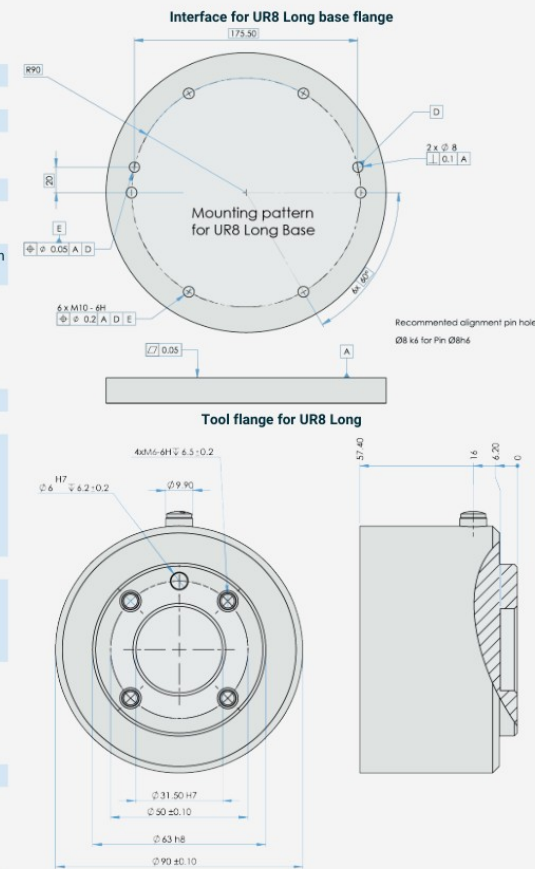
| | |
|---------------------------|---|
| IP classification | IP44 |
| Humidity | ≤ 90% RH (non-condensing) |
| I/O Ports | |
| Digital In | 16 |
| Digital Out | 16 |
| Analog In | 2 |
| Analog Out | 2 |
| Quadrature digital inputs | 4 |
| I/O Power Supply | 24V, 2A |
| Industrial protocols | Modbus TCP (Client/Server) |
| | Ethernet/IP Adapter |
| | PROFINET device, PROFIsafe |
| | ROS/ROS2 |
| | Ethernet 1 Gb/s |
| Hardware interfaces | USB 2.0 USB 3.0 |
| | Mini DisplayPort |
| | Injection Moulding Machine Interface (SPI AN-146 & Euromap-67)* |
| Power Source | 100-240 VAC, 50-60 Hz |

*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.



UNLESS OTHERWISE SPECIFIED:

Dimensions are in millimeters. Tolerance ± 0.1 mm ± 0.5°