## Eva Desktop Robot Arm

**Degrees of Freedom:** 6
**Repeatability:** ± 0.5 mm
**Max Payload:** 1.25 kg
**Reach:** 600 mm
**Installation Position:** Upright
**Weight:** 9.5 kg
**Joint velocity limits:** 120° / second
**Toolpath speed limit:** 750 mm / second
**Power:** 24 VDC @ 11.67A
**Power Consumption:** 280 W Peak
**Footprint:** 160 x 160 mm

## Electronic Interfaces

**4X:** Analog Inputs
**2X:** Analog Outputs
**6X:** Digital Inputs
**6X:** Digital Outputs
**1X:** E-Stop inputs
**1X:** Ethernet
**1X:** Wifi Card
**Tool Power:** 24 VDC @ 1 A
**Base I/O Power:** 24 VDC @ 1.5 A

## Joint Position Limits

**A1:** ± 179°
**A2:** -155° / 70°
**A3:** 160° / 45°
**A4:** ± 179°
**A5:** 5° / 10°
**A6:** ± 179°

## Operating Environment

**Ingress Rating:** IP20
**Temperature:** 5 - 40 °C
**Cabling:** Max 3 m for power, e-stop, tools
**Max Humidity @ 40°C:** 50%
**Max Humidity @ 20°C:** 90%

## Programming

**Type:** Remote REST API
**Interface:** GUI through web browser
**Communication:** Ethernet or wifi
**Deployment:** Local (installed on robot)
**Export/Import:** Base64 / Javascript

**AUSTRALIS ENGINEERING**

**± 179°**
Axis 4

**-155° / +10°**
Axis 5

**± 179°**
Axis 6

**-160° / +45°**
Axis 3

**-155° / +70°**
Axis 2

**± 179°**
Axis 1

56mm

883mm

600mm

104mm

167mm

124mm

205mm

96mm

187mm