



# EVA

## Technical Specifications

### Eva Desktop Robot Arm

**Degrees of Freedom:** 6  
**Repeatability:**  $\pm 0.5$  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 @ 1A  
**Base I/O Power:** 24 VDC @ 1.5 A

### Joint Position Limits

**A1:**  $\pm 180^\circ$   
**A2:**  $-152^\circ / +70^\circ$   
**A3:**  $-160^\circ / +42^\circ$   
**A4:**  $\pm 180^\circ$   
**A5:**  $-159^\circ / +11^\circ$   
**A6:**  $\pm 180^\circ$

### 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

**Any questions?**

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