



Dobot Magician E6

Dobot Magician E6 is a lightweight, compact, 6-axis desktop-class collaborative robot designed specifically for education and scientific research. It offers performance comparable to industrial solutions and is compatible with a wide range of accessories dedicated to industrial applications. Magician E6 features diverse interfaces for developing additional functions and access to training materials in the field of robotics education. Robot is exceptionally suited for exploring areas such as artif...

Parameter	Value
Weight	7.2 kg
Number of Axes	6
Payload	500 g
Working Radius	450 mm
Repeatability	± 0.1 mm
Max TCP Speed	0.5 m/s
Max Joint Speed	120°/s
Power Input	100 V ~ 240 V AC, 50/60 Hz
Rated Voltage	48 V DC, 5 A
Power Consumption	130 W
Communication Interface	2 × Ethernet (TCP/IP, Modbus TCP)
I/O Interface (Arm Tip)	2 × DI, 2 × DO, 1 × 24V, 1 × GND
I/O Interface (Base)	16 × DI, 16 × DO, 4 × 24V, 4 × GND
I/O Power	24 V, max. 2 A (max. 0.5 A per channel)
External Interface	1 × EMO, 1 × ABZ encoder, 1 × Power connector
Control Software	DobotStudio Pro

Parameter	Value
IP Rating	IP20
Base Dimensions	162 × 120 × 103 mm
Working Environment	Temperature: 0°C - 40°C, Humidity: 25 - 85%
Noise Level	60 dB (A)
Installation	Desktop
Materials	Aluminum Alloy, ABS Plastic