

Specifications for myCobot- The World's Smallest 6DOF Collaborative Robot Arm

Product Parameters

Degree of Freedom:	6
Payload:	250g
Arm span:	350mm
Working radius:	280mm
Repeatability:	±0.5mm
Weight:	850g
Power Input:	8V, 5A
Material:	Industrial Nylon
Working Condition:	-°~45°
Communication:	USB Type-C

M5STACK Basic -----

ESP32-D0WDQ6:	240MHz dual-core, 600 DMIPS, 520KB SRAM, Wi-Fi, dual-mode Bluetooth
Flash:	16MB
Power Input:	5V @ 500mA
Port:	TypeC x 1, GROVE(I2C+I/O+UART) x 1
Core Bottom Port:	PIN (G1, G2, G3, G16, G17, G18, G19, G21, G22, G23, G25, G26, G35, G36)
IPS Screen:	2 inch, 320×240 Colorful TFT LCD, ILI9342C, Brightness 853nit
Speaker:	1W-0928
Button:	Custom button x 3
Battery:	110mAh @ 3.7V
Antenna:	2.4G 3D Antenna
Operating Temperature:	32°F to 104°F (0°C to 40°C)

M5STACK Atom -----

ESP32:	240MHz dual-core, 600 DMIPS, 520KB SRAM, Wi-Fi, dual-mode Bluetooth
Flash:	4MB
Power Input:	5V @ 500mA
Port:	TypeC x 1, GROVE(I2C+I/O+UART) x 1
PIN Interface:	G19, G21, G22, G23, G25, G33
RGB LED:	WS2812C 2020 x 25
MEMS:	MPU6886
IR:	Infrared transmission
Button:	Custom bottom x 1
Antenna:	2.4G 3D Antenna
Operating Temperature:	32°F to 104°F (0°C to 40°C)