



DOBOT Magician Lite, a multi-functional lightweight intelligent robotic arm, is one of the core products in DOBOT's K12 customized artificial intelligence education ecosystem. Magician Lite enjoys numerous software and hardware interaction methods and expansion interfaces in order to maximize students' freedom to create.

Magician Lite is compact and only weighs 2.4 kg, making it portable and easy to build an application scenario. Its repeatability positioning is 0.2mm, payload 0.25 kg, and radius range 340 mm. It supports a soft gripper, suction cup, pen grasper and other changeable end tools. The robot has collision detection function, making it safe for children to be around.



Magician Lite features an external controller called "Magic Box" that separates motion control algorithm and user tasks to allow more convenience for programming and creating. The robot supports Bluetooth and Bluetooth connection. 12 expansion interfaces ensure maximum openness and compatibility. With the new DobotBlock software platform, students can program, create games and animations by simply dragging and dropping coding blocks together, in order to control the robot's every move and learn how AI works while exploring technology and having fun.



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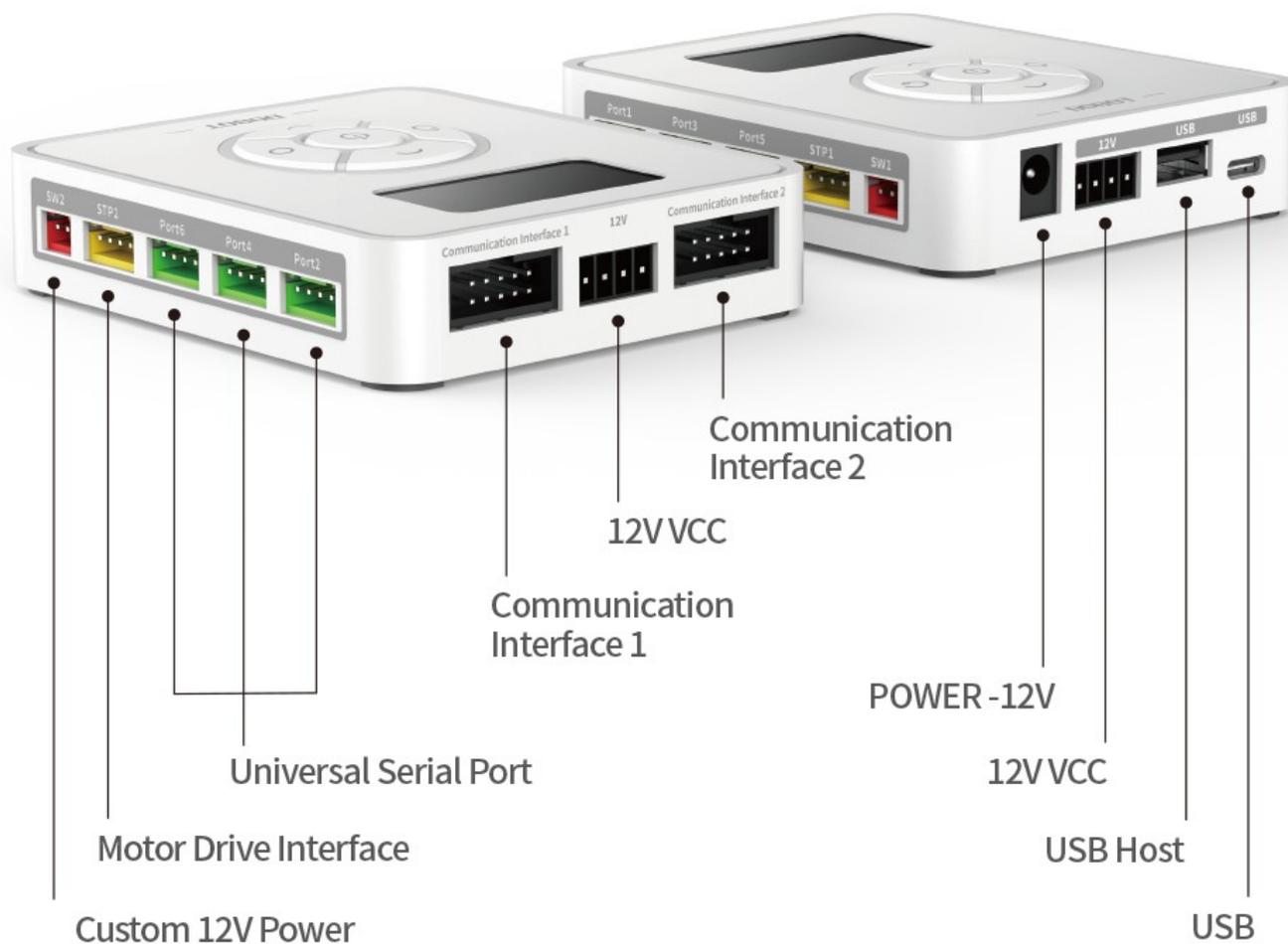


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Degree of Freedom	4
Maximum load	250 g
Maximum reach	340 mm
Repeatability	0,2 mm
Communication interface	USB
Voltage	100~240 V, 50~60 Hz
Power input	12 V, 5 A
Power	60 W
Working teemperature	-5°C to +45°C
Software	DobotStudio, DobotBlockly
Weight	2,4 kg
Axis1 - Base	-135° to 135°
Axis 2 - Rear arm	-5° to 80°
Axis 3 - Front arm	-10° to 85°
Axis 4 - Tool rotation	-145° to 145°



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