

Specifications	VinciBot	Lego Spike Prime	Ozobot	Edison	Wonder	mBot
						
Age group and price	Age 8+, \$99	Age 10+, \$ 339.95	Age 6+, \$175	Age 4~16, \$59	Age 6~11, \$179	Age 8+, \$90
Drawing	High-precision stepper motor to support precise drawing	x	x	LEGO to support simple painting applications	LEGO to support simple painting applications	x
Compatibility with LEGO	Supports	Supports	x	Supports	Supports	Supports
LED light matrix	LED light matrix with 128 white LEDs	5x5 LED matrix	x	x	x	x
Light	6 programmable RGB LEDs	x	1 RGB light	2 red LEDs	Light ring consisting of 12 white LEDs	2 RGB light
Player	Speaker (supports formats such as wav, mp3, etc.)	Speaker	Buzzer	Buzzer	Speaker	Buzzer
Wireless connection	Bluetooth&Wifi	Bluetooth	Bluetooth	Bluetooth	Bluetooth	Bluetooth
Communication port	USB storage/USB CDC	USB CDC	x	USB CDC	x	USB CDC
Power supply	Built-in 1500mAH rechargeable lithium battery	Built-in 2100 mAh rechargeable lithium -ion battery	Built-in rechargeable lithium battery	Built-in rechargeable lithium battery	Built-in rechargeable lithium battery	Supports rechargeable lithium battery and dry cell
Infrared communication	Supports	x	x	Supports	Supports	Supports
	(1 transmitter, 2 receivers)			(2 transmitter, 1 receivers)	(4 transmitter, 2 receivers)	(1 transmitter, 1 receivers)
Light sensor	2	x	x	2	x	1
Sound sensor	1 (Supports sound detection/voice recognition)	1 (Supports sound detection/voice recognition)	x	1 (Supports sound detection)	3	x
Color sensor	Supports	Supports	Supports	x	x	x
5-Way Line Follower/ Color sensor	Supports (line following/cliff detection)	Supports line following	Supports line following	Supports line following	x	Supports (line following/cliff detection)
ToF ranging detection	Range/obstacle detection	Ultrasonic(Range/obstacle detection)	x	Obstacle detection	Obstacle detection	Range/obstacle detection
Programmable button	3	2	x	2 programmable buttons, 1 non-programmable button	1	x
Power take-off (PTO) shaft	1 on left wheel, 1 on right wheel	1 on left wheel, 1 on right wheel. Can be used after the wheels are removed	x	1 on left wheel, 1 on right wheel. Can be used after the wheels are removed	x	x
Module extension	1 Type-C expansion interface	6 LEGO Powered Up(LPF2) Ports	x	x	x	4 RJ25 ports
Programming languages supported	Sratch Python	Blockly,Python	Color programming Blockly	Blockly Sratch Python	Blockly	Blockly Sratch Python
APP	Supports	Supports	Supports	x	Supports	Supports