

Specifications								
	uArm Swift				uArm Swift Pro			
Weight	1.2kg				2.2kg			
Degrees of Freedom	4				4			
Repeatability	5mm				0.2mm			
Max. Payload	500g				500g			
Working Range	50mm ~ 320mm				50mm ~ 320mm			
Max. Speed	167mm/s				100mm/s			
Connector	Micro USB				Micro USB			
Wireless	Bluetooth 4.0				Bluetooth 4.0			
Input Voltage	DC 5-6V				DC 12V			
Power Adapter	Input:100 ~ 240V 50/60Hz; Output: 5V4A 20W				Input:100 ~ 240V 50/60Hz; Output: 12V5A 60W			
Operation Temperature & Humidity	0°C-35°C 30%RH-80%RH noncondensing				0°C-35°C 30%RH-80%RH noncondensing			
Storage Temperature & Humidity	-20°C-60°C 30%RH-80%RH noncondensing				-20°C-60°C 30%RH-80%RH noncondensing			
Hardware								
	uArm Swift				uArm Swift Pro			
Joint Type	Customized RC Servo				Customized Gearbox + Stepper			
Position Feedback	Potentiometer				12 bit Encoder			
Reducer	Servo gearbox				Customized ultra-thin Gearbox			
Dimension(L*W*H)	150mm*132mm*281mm				150mm*140mm*281mm			
Mother Board	Arduino MEGA 2560				Arduino MEGA 2560			
Material	Aluminum				Aluminum			
Baud Rate	115200bps				115200bps			
Extendable I/O Interface	I/O *3, 5V*1, IIC *1				I/O *27, IIC *1, 5V*1, 12V*1, Stepper*1			
Software								
	uArm Swift				uArm Swift Pro			
PC Control	uArm Studio				uArm Studio			
App Control	uArm Play				uArm Play			
For Developer	Python/Arduino/ROS				Python/Arduino/ROS			
Feature	Open Source				Open Source			
Joint Speed & Torque								
	uArm Swift				uArm Swift Pro			
	Angle	Speed	Lifetime	Torque	Angle	Speed	Lifetime	Torque
Base Motor	0° ~ 180°	60°/s	500h	12kg · cm	0° ~ 200°	40°/s	>3000h	12kg · cm
Left Motor	0° ~ 130°	60°/s	500h	12kg · cm	0° ~ 135°	40°/s	>3000h	12kg · cm
Right Motor	0° ~ 106°	60°/s	500h	12kg · cm	0° ~ 100°	40°/s	>3000h	12kg · cm
End-effector Motor	0° ~ 180°	60°/s	500h	2kg · cm	0° ~ 180°	60°/s	500h	2kg · cm
Accessories								
Pump	Suction Diameter				5mm ~ 10mm			
	Max. Pressure				33kPa			

	Max. Lifting Weight	1000g
	Feature	With feedback
Universal Holder	Weight	36g
	Dimension(L*W*H)	62mm*25mm*15mm
	Material	Aluminum
	Holder Diameter	14mm
	Weight	58g
Gripper	Dimension(L*W*H)	92mm*50mm*18mm
	Material	Aluminum
	Max. Force	750~800g
	Max. Size of Object	40mm
	Max. Speed	20mm/s
	Drive Mode	Electrically-driven
	Working Voltage/Current	6V/300mA
	Focal Length	2.8mm
OpenMV Camera	FOV	115°
	F-number	f2.0
	Programmable Method	Micro Python
	Weight	16g
	Dimension(L*W*H)	45mm*36mm*30mm
	Type	E3D v6
3D Printing Kit (ONLY For Pro)	Consumption	35W
	Nozzle Diameter	0.4mm
	Max Temp	270 °C
	Material	PLA
	Max. Printing Speed	20mm/s
	File Format	.gcode
	Printing Size(L*W*H)	10mm*10mm*10mm
	Laser Power	500mW
Laser Engraving Kit (ONLY For Pro)	Working Voltage/Current	12V/5A
	Wave Length	405nm
	Weight	140g
	Dimension(L*W*H)	55mm*33mm*88mm
	Materials to Engrave	Wood,Plastic,Leather,Feather,Paper,etc.