













机械臂产品汇总表		myCobot -280				myPalletizer-260		mechArm-270		myCobot - 320 2022系列		myCobot Pro - 600	myBuddy280	
版本		m5	Pi	Jetson Nano	Arduino	m5	Pi	m5	Pi	m5	Pi			
产品图														
规格/参数	自由度 (DOF)	6	6	6	6	4	4	6	6	6	6	6	13	
	最大工作半径 (mm)	280	280	280	280	260	260	270	270	350	350	600	单臂280	
	最大负载 (g)	250	250	250	250	250	250	250	250	1000	1000	2000	单臂250	
	净重 (g)	850	860	1030	780	960	960	850	1000	3360	3360	8800	2750	
	重复定位精度 (mm)	± 0.5	± 0.5	± 0.5	± 0.5	± 0.3	± 0.3	± 0.3	± 0.3	± 0.5	± 0.5	±0.5	± 0.5	
硬件参数	电源接口INPUT	DC 8.4 - 14V	DC 8.4 - 14V	DC 8.4 - 14V	DC 8.4 - 14V	DC 8.4 - 14V	DC 8.4 - 14V	DC 8.4 - 14V	DC 8.4 - 14V	DC 24V 120W	DC 24V 120W	DC 48V	DC 24V	
	TypeC	*1				*1		*1		*1	*1			
	USB		USB 3.0*2 USB 2.0*2	USB 3.0*2 USB 2.0*2			USB 3.0*2 USB 2.0*2		USB 3.0*2 USB 2.0*2		USB 3.0*2 USB 2.0*2	USB 3.0*2 USB 2.0*2	USB 3.0*2 USB 2.0*2	
	LCD 显示器	2.0"@320*240 ILI9342C IPS panel, maximum brightness 853nit				2.0"@320*240 ILI9342C IPS panel, maximum brightness 853nit		2.0"@320*240 ILI9342C IPS panel, maximum brightness 853nit		2.0"@320*240 ILI9342C IPS panel, maximum brightness 853nit			7寸可交互 触摸显示屏	
	辅控	ESP32 *1	ESP32 *1	ESP32 *1	ESP32 *1	ESP32 *1	ESP32 *1	ESP32 *1	ESP32 *1	ESP32 *2	ESP32 *2		ESP32 *3	
	核心参数	240MHz dual core. 600 DMIPS, 520KB SRAM. Wi-Fi, dual mode Bluetooth	240MHz dual core. 600 DMIPS, 520KB SRAM. Wi-Fi, dual mode Bluetooth	240MHz dual core. 600 DMIPS, 520KB SRAM. Wi-Fi, dual mode Bluetooth	240MHz dual core. 600 DMIPS, 520KB SRAM. Wi-Fi, dual mode Bluetooth	240MHz dual core. 600 DMIPS, 520KB SRAM. Wi-Fi, dual mode Bluetooth	240MHz dual core. 600 DMIPS, 520KB SRAM. Wi-Fi, dual mode Bluetooth	240MHz dual core. 600 DMIPS, 520KB SRAM. Wi-Fi, dual mode Bluetooth	240MHz dual core. 600 DMIPS, 520KB SRAM. Wi-Fi, dual mode Bluetooth	240MHz dual core. 600 DMIPS, 520KB SRAM. Wi-Fi, dual mode Bluetooth	240MHz dual core. 600 DMIPS, 520KB SRAM. Wi-Fi, dual mode Bluetooth	240MHz dual core. 600 DMIPS, 520KB SRAM. Wi-Fi, dual mode Bluetooth		240MHz dual core. 600 DMIPS, 520KB SRAM. Wi-Fi, dual mode Bluetooth
	核心IO	G19,G21,G22,G23, G25,G33	G19,G21,G22,G23, G25,G33	G19,G21,G22,G23, G25,G33	G19,G21,G22,G23, G25,G33	G19,G21,G22,G23, G25,G33	G19,G21,G22,G23, G25,G33	G19,G21,G22,G23, G25,G33	G19,G21,G22,G23, G25,G33	G19,G21,G22,G23, G25,G33				左右臂分别 G19,G21, G22,G23,G25,G33
	主控	ESP32	raspberry pi	JetsonNano2G	可扩展Arduino UNO/ MEGA/MKR系列	ESP32	raspberry pi	ESP32	raspberry pi	ESP32	raspberry pi	raspberry pi	raspberry pi	raspberry pi 4B 4G
	核心CPU		Broadcom BCM2711, 64位 1.5GHz四核	Quad-core ARM@A57@ 1.43 GHz			Broadcom BCM2711, 64位 1.5GHz四核		Broadcom BCM2711, 64位 1.5GHz四核		240MHz dual core. 600 DMIPS, 520KB SRAM. Wi-Fi, dual mode Bluetooth	Broadcom BCM2711, 64位 1.5GHz四核	Broadcom BCM2711, 64位 1.5GHz四核	Broadcom BCM2711, 64位 1.5GHz四核
	核心GPU		500 MHz VideoCore VI	128-core NVIDIA Maxwell™			500 MHz VideoCore VI		500 MHz VideoCore VI		500 MHz VideoCore VI	500 MHz VideoCore VI	500 MHz VideoCore VI	500 MHz VideoCore VI
	核心网口		*1	*1			*1		*1		*1	*1	*1	*1
	核心蓝牙	2.4G/5G	2.4G/5G	2.4G/5G		2.4G/5G	2.4G/5G	2.4G/5G	2.4G/5G	2.4G/5G	2.4G/5G	2.4G/5G	2.4G/5G	2.4G/5G
	核心无线	2.4G 3D Antenna	802.11ac	802.11ac		2.4G 3D Antenna	802.11ac	2.4G 3D Antenna	802.11ac	2.4G 3D Antenna	802.11ac	802.11ac	802.11ac	802.11ac
核心视频接口		microHDMI*2	HDMI*1			microHDMI*2		microHDMI*2		microHDMI*2	microHDMI*2	microHDMI*2	HDMI*1	
关节连杆参数	电机类型	高性能伺服舵机	高性能伺服舵机	高性能伺服舵机	高性能伺服舵机	高性能伺服舵机	高性能伺服舵机	高性能伺服舵机	高性能伺服舵机	高性能伺服舵机	高性能伺服舵机	谐波电机+ 高性能伺服舵机	高性能伺服舵机	
	关节转动角度	J1 -165 ~ +165 J2 -165 ~ +165 J3 -165 ~ +165 J4 -165 ~ +165 J5 -165 ~ +165 J6 -175 ~ +175	J1 -165 ~ +165 J2 -165 ~ +165 J3 -165 ~ +165 J4 -165 ~ +165 J5 -165 ~ +165 J6 -175 ~ +175	J1 -165 ~ +165 J2 -165 ~ +165 J3 -165 ~ +165 J4 -165 ~ +165 J5 -165 ~ +165 J6 -175 ~ +175	J1 -165 ~ +165 J2 -165 ~ +165 J3 -165 ~ +165 J4 -165 ~ +165 J5 -165 ~ +165 J6 -175 ~ +175	J1 -160 ~ +160 J2 -90 ~ +90 J3 -180 ~ +45 J4 -160 ~ +160 J5 -100 ~ +100 J6 -180 ~ +181	J1 -160 ~ +160 J2 0 ~ +90 J3 0 ~ +60 J4 -175 ~ +175	J1 -160 ~ +160 J2 -90 ~ +90 J3 -180 ~ +45 J4 -160 ~ +160 J5 -100 ~ +100 J6 -180 ~ +180	J1 -160 ~ +160 J2 -90 ~ +90 J3 -180 ~ +45 J4 -160 ~ +160 J5 -100 ~ +100 J6 -180 ~ +180	J1 -165 ~ +165 J2 -165 ~ +165 J3 -165 ~ +165 J4 -165 ~ +165 J5 -165 ~ +165 J6 -175 ~ +175	J1 -165 ~ +165 J2 -165 ~ +165 J3 -165 ~ +165 J4 -165 ~ +165 J5 -165 ~ +165 J6 -175 ~ +175	J1 -180 ~ +180 J2 -270 ~ +90 J3 -150 ~ +150 J4 -260 ~ +80 J5 -168 ~ +168 J6 -174 ~ +174		左右臂: J1 -165 ~ +165 J2 -165 ~ +165 J3 -165 ~ +165 J4 -165 ~ +165 J5 -165 ~ +165 J6 -175 ~ +175 腰部: J1 -120 ~ +120
出厂功能 支持 (控制接口开放)	自由移动	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	关节运动	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	笛卡尔运动	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	轨迹录制	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	无线控制	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	急停按钮									✓	✓	✓	✓	
开发系统支持	碰撞检测											✓	支持自干涉运算	
	Windows	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Linux	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	MAC	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
开发软件支持	RoboFlow	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	myblockly	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Mind+	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	UiFlow	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Arduino	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
固件升级支持	mystudio	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
通讯协议支持	串口控制协议	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
工业通讯 硬件支持	TCP/IP	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	MODBUS	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
输入端口 (INPUT)	1, 2, 3, 5, 18,19,21,22, 23,25,26,35, 36	2,3,4,5, 6,7,9, 11,12,13, 16,17,18,19, 20,21,22,23, 24,25,26,27	2,3,4,5, 6,7,9, 11,12,13, 16,17,18,19, 20,21,22,23, 24,25,26,27	面板IO均为 转接功能, 视扩展板决定。	1, 2, 3, 5, 18,19,21,22, 23,25,26,35, 36	2,3,4,5, 6,7,9, 11,12,13, 16,17,18,19, 20,21,22,23, 24,25,26,27	1, 2, 3, 5, 18,19,21,22, 23,25,26,35, 36	2,3,4,5, 6,7,9, 11,12,13, 16,17,18,19, 20,21,22,23, 24,25,26,27	1, 2, 3, 5, 18,19,21,22, 23,25,26,35, 36	2,3,4,5, 6,7,9, 11,12,13, 16,17,18,19, 20,21,22,23, 24,25,26,27	IN1.IN2.IN3. IN4.IN5.IN6	IN1.IN2.IN3. IN4.IN5.IN6	IN1.IN2.IN3. IN4.IN5.IN6	3.3vIO:12个(1-12) Grove: 2个(13-16)