by xiaolaba

AWS IoT EduKit		Core2 ESP32 IoT Development Kit	
Master controller resources	Parameters	Resources	Parameter
ESP32-D0WDQ6-V3	240MHz dual core, 600 DMIPS, 520KB SRAM, Wi-Fi, dual mode Bluetooth	ESP32-D0WDQ6-V3	240MHz dual core, 600 DMIPS, 520KB SRAM, Wi-Fi, dual mode Bluetooth
Flash	16MB	Flash	16MB
PSRAM	8MB	PSRAM	8MB
Hardware encryption chip	ATECC608		
Input voltage	5V @ 500mA	Input Voltage	5V @ 500mA
Host interface	TypeC x 1, GROVE(I2C+I/0+UART) x 1	Interface	TypeC x 1, GROVE(I2C+I/0+UART) x 1
Programmable LED light	SK6812*10	LED	Green power indicator light
Button	Power button, RST button, virtual screen button * 3	Button	Power button, RST button, Virtual screen button*3
Vibration reminder	Vibration motor	Vibration reminder	Vibration motor
IPS LCD screen	2.0"@320*240 ILI9342C	IPS LCD Screen	2.0"@320*240 ILI9342C
Capacitive touch screen IC	FT6336U	Touch Screen	FT6336U
Speaker	1W-0928	Speaker	1W-0928
Microphone	SPM1423	MIC	SPM1423
I2S power amplifier	NS4168	I2S Power Amplifier	NS4168
IMU	MPU6886	RTC	BM8563
RTC	BM8563	6-axis IMU	MPU6886
PMU	AXP192	PMU	AXP192
USB chip	CP2104	USB Chip	CP2104
DC-DC boost	SY7088	DC-DC Boost	SY7088
TF card slot	Support up to 16G	TF card slot	16G Max.
Lithium battery	500mAh @ 3.7V	Lithium Battery	390mAh @ 3.7V
Antenna	2.4G 3D antenna	Antenna	2.4G 3D antenna
Working temperature	32˚F to 104˚F (0˚C to 40˚C)	Operating temperature	32˚F to 104˚F (0˚C to 40˚C)
Net weight	101g	Net Weight	52g
Gross weight	108g	Gross Weight	70g
Product size	54 x 54 x 24mm	Product Size	54 x 54 x 16mm
Package size	90 x 60 x 27mm	Package Size	75 x 60 x 20mm
Shell material	Plastic (PC)	Case Material	Plastic (PC)