

Category	Feature	Description	Module Name	LINKS		Schematic	Cost Total(CAD) NO SHIPPING/Tax
Wireless	RFID/NFC	Read/Write/Emulate 125kHz & read 13.56MHz.	PN532 and RDM6300	<a href="#">PN532 RDM</a>	DONE	DONE	33.02
Wireless	Sub-GHz	300-928MHz Transceiver for IoT/Barriers.	<b>1-10pcs CC1101 Wireless Module With SMA /</b>	<a href="#">Link</a>	DONE	DONE	9.38
Wireless	Infrared (IR)	Learn/Emulate codes + Universal TV Kill Switch.		<a href="#">Read SEND</a>	DONE	DONE	13.3
Wireless	LoRa	Long-range mesh text messaging.	E22-900M22S	<a href="#">Link</a>	DONE	DONE	24.18
Wireless	Wi-Fi/BT	Signal testing, packet analysis, and auditing.	done with esp 32 s3 (cant do 5G, only 2.4)		CODE	N/A	0
Vision	Display	60Hz High-refresh IPS screen.		<a href="#">Link</a>	DONE	DONE	11.98
Hardware	USB-C	Direct plug for data/power.	built in to esp32 s3 and usbc charger for power	N/A	DONE	N/A	0
Hardware	Pogo Pins	Data docking and proximity messaging.	3 pin pogo modules	<a href="#">link</a>	DONE	DONE	10.08
Hardware	Haptics	Vibration module.	mini vibration notification module	<a href="#">Vibrate</a>	DONE	DONE	7.24
Security	Encryption	SHA-256 for local passwords/data.	Firmware	N/A	CODE	N/A	0
Battery	10000mAh	Long life		<a href="#">Link</a>	DONE	DONE	28.58
Battery Usb-c Charger		Fast Charging		<a href="#">link</a>	DONE	DONE	2.74
Control Board		Esp 32 S3		<a href="#">Link</a>	DONE	DONE	19.38
Control matrix				<a href="#">Link</a>	DONE	DONE	1.4
Sd Card Module		Extra Storage!		<a href="#">Link</a>	DONE	DONE	6.49
Wires		5 Colors, 2awg2 adn 30awg		<a href="#">Link</a> <a href="#">Link</a>	DONE	N/A	30.57
SMA Antenna	For LoRa	right angle 915mHz		<a href="#">Link</a>	DONE	N/A	3.83
IPEX to SMA	For LoRa	IPEX TO SMA CABLE		<a href="#">Link</a>	DONE	N/A	3.86
Sma Antenna	For CC1101	right angle 315mHz		<a href="#">Link</a>	DONE	N/A	4.89
Decoupling Capacitor				<a href="#">Link</a>	DONE	DONE	3.63
							214.55
							SHIPPING+TAX = 257.98