SUMMARY							
Category	Amount						
Hardware	\$ 422.40						
PCB	\$ 254.05						
Tools	\$ 93.81						
Materials	\$ 84.98						
Subtotal	\$ 855.24						
Tax Estimate	\$ 70.98						
Shipping Estimate	\$ 72.70						
TOTAL	\$ 998 92						

Hardware	Subtotal: \$ 422.40		PCB Item		#/B 0		tal: \$ 254			Tools		otal: \$ 93.81		Materials		Subtotal: \$		
Item Raspberry Pi 4 2 GB	Quantity Cost Amount Link 0 \$ 35.00 \$ -	D	E Battery Port JST-2PH	Manufacturer Number 1769	#/Board Quan				nk https://www.adafrui			Amount		Item m/p 3d printer filam		Cost Am		ww.amazon.com/HATCHBOX-3D-Filar
Raspberry Pi 4 2 GB	1 \$ 75.00 \$ 75.00	Power III,	Voltage Regulator	TPS61090RSAR	1				nttps://www.adairui				https://pine64.com					ww.amazon.com/Kester-24-6337-002
CM4108000	1 \$ 75.00 \$ 75.00		Battery Charger	MCP73871T-2CCI/ML	1				nttps://www.digikey				https://www.ama					ww.amazon.com/dp/B00068IJWC/
CM4104000	1 \$ 50.00 \$ 50.00		USB-C Connector	USB-C31-S-RA-CS1D-BK-T/R	1				nttps://www.digikey					zon.com/Pliers-Elect			34.05 ittps://wi	w.amazon.com/up/boocosnwc/
CM4102000	0 \$ 35.00 \$ -		USB-C Connector (power		1				nttps://www.digikey					zon.com/Desolderin				
CM4101000	0 \$ 30.00 \$ -		LED charging	C5SMF-AJE-CU0V0342	1				nttps://www.digikev								ti-standard-Electro	nics/dp/806XXXQHS8/
Waveshare 7inch DSI screen	1 \$ 59.99 \$ 59.99 https://www.	waveshare.com/7i		C5SMF-GJF-CV0Y0791	1				https://www.digikey					zon.com/Neiko-0190				
Waveshare 7inch HDMI screen (C)	1 \$ 62.99 \$ 62.99 https://www.			C5SMF-BJE-CR0U0451	1				nttps://www.digikey					zon.com/gp/produc				
Wireless Thin Mouse	1 \$ 11.99 \$ 11.99 https://www.			C5SMF-RJF-CT0W0BB1	1				nttps://www.digikey					zon.com/Delcast-SL-			/R00POF98X4/	
iClever BK05 Foldable Bluetooth Keyboa	1 \$ 48.99 \$ 48.99 https://www.			BWVS005050406R8M00	1					.com/en/products/detai								
10000mAh DC 3.7V Rechargable Battery	1 \$ 18.49 \$ 18.49 https://www.			MMUN2133LT1G	1					.com/en/products/detai								
PowerBoost 1000 Charger	1 \$ 19.95 \$ 19.95 https://www.			NTCLE100E3153JB0	1					.com/en/products/detai			components/NTCLI	E100E3153JB0/7694	13			
			Cap 10uF	CL31A106KPHNNNE	3	10 S 0	1.23 \$ E	6.90 h	nttps://www.digikev	.com/en/products/detai	il/samsung-ele	lectro-mechanics/	CL31A106KPHNNN	E/3886806				
			Cap 2.2uF	CL31B225KOHNNWE	1	10 \$ 0	.19 \$ 1	1.90 h	nttps://www.digikey	.com/en/products/detai	il/samsung-ele	lectro-mechanics/	CL31B225KOHNNW	/E/3888799				
			Cap 0.1uF	C1206C104K5RAC7800	1	10 \$ 0	.11 \$ 1	1.10 h	ttps://www.digikey	.com/en/products/detai	il/kemet/C120	06C104K5RAC780	0/411248					
			Cap 100uF	CL32A107MQVNNNE	1	10 \$ 0	1.71 \$ 7	7.10 h	nttps://www.digikey	.com/en/products/detai	il/samsung-ele	lectro-mechanics/	CL32A107MQVNNN	NE/3886750				
			Res 1.87M	CMF551M8700FHEB	2	10 \$ 1	73 \$ 34	4.60 h	nttps://www.digikey	.com/en/products/detai	il/vishay-dale/	/CMF551M8700FI	HEB/1554321					
			Res 5.1k	RNMF14FAD5K10	2					.com/en/products/detai				0241				
			Res 340k	MFR-25FBF52-340K	1	10 \$ 0	.10 \$ 1	1.00 <u>h</u>	https://www.digikey	.com/en/products/detai	il/yageo/MFR-	-25FBF52-340K/1	3606					
			Res 200k	MFR-25FBF52-200K	1					.com/en/products/detai								
			Res 1k	RNF14FTD1K00	5	10 \$ 0	.10 \$ 5	5.00 <u>h</u>	https://www.digikey	.com/en/products/detai	il/stackpole-el	electronics-inc/RN	F14FTD1K00/17066	78				
			Res 270k	RNMF14FTC270K	1					.com/en/products/detai								
			Res 100k	RNMF14FTC100K	2					.com/en/products/detai				7278				
		SD	SD card reader	MEM2051-00-195-00-A	1					.com/en/products/detai								
			Cap 10uF	CL31A106KPHNNNE	1					.com/en/products/detai				E/3886806				
			Power Switch/Driver	RT9742CNGJ5	1					.com/en/products/detai								
			Res 12k	RNMF14FTC12K0	1					.com/en/products/detai				7286				
		Ethernet	Ethernet port	ARJM11B1-502-AB-ER2-T	1					.com/en/products/detai								
			ESD protection diode Cap 0.1uF	TPD4EUSB30DQAR C1206C104K5RAC7800	2					.com/en/products/detai								
				RNF14FTD470R	2					.com/en/products/detai								
		USB	Res 470R	USB-A-S-RA	3					.com/en/products/detai .com/en/products/detai				287				
		O2R	USB receptical	PCA-6-LA-20-HL-3	1													
			FFC 20pin connector USB controller	USB2504A-JT	1					.com/en/products/detai .com/en/products/detai								
			Res 12k	RNMF14FTC12K0	1					.com/en/products/detai				7706				
			Res 36k	RNMF14FTC36K0	4					.com/en/products/detai								
			Crystal	J49SMH-F-G-G-K-24M0	1					.com/en/products/detai				7330				
			Cap 27pf	CL31C270JBCNNNC	2					.com/en/products/detai				/3888484				
			Cap 10uF	CL31A106KPHNNNE	2					.com/en/products/detai								
			Cap 0.1uF	C1206C104K5RAC7800	6					.com/en/products/detai								
			Current Limit Switch	AP22653AW6-7	1					Fault condition? Vs AP22		000104031040700	0) 411140					
			Cap 10uF	CL31A106KPHNNNE	1					.com/en/products/detai		lectro-mechanics/	CL31A106KPHNNN	E/3886806				
			Res 15k	RNF18FTD15K0	1	10 \$ 0	1.10 \$ 1	1.00 h	nttps://www.digikey	.com/en/products/detai	il/stackpole-el	electronics-inc/RN	F18FTD15K0/16827	187				
			Cap 100uF	CL32A107MQVNNNE	1	10 \$ 0	1.71 \$ 7	7.10 h	nttps://www.digikey	.com/en/products/detai	il/samsung-ele	lectro-mechanics/	CL32A107MQVNNN	NE/3886750				
			Cap 10uF	CL31A106KPHNNNE	4	10 \$ 0	1.23 \$ 9	9.20 h	nttps://www.digikey	.com/en/products/detai	il/samsung-ele	lectro-mechanics/	CL31A106KPHNNN	E/3886806				
		HDMI	HDMI port	SS-53000-001	1	5 \$ 0	1.88 \$ 4	4.40 h	nttps://www.digikey	.com/en/products/detai	il/stewart-con	nnector/SS-53000	-001/10492172					
			FFC 20pin connector	PCA-6-LA-20-HL-3	1	5 \$ 0	1.42 \$ 2	2.10 h	nttps://www.digikey	.com/en/products/detai	il/adam-tech/	PCA-6-LA-20-HL-3	3/10245157					
			Power Switch/Driver	RT9742CNGJ5	1	5 \$ 1	60 \$ 8	8.00 h	ttps://ww Not intera	ally pulled high? Vs RT974	42SNGV							
			Cap 0.1uF	C1206C104K5RAC7800	2					.com/en/products/detai								
		Other	LED cm4 Activity	WP7113ND	1					.com/en/products/detai	il/kingbright/V	WP7113ND/3084	223					
			Res 1k	RNF14FTD1K00	5				ttps://wv for led act									
			LED cm4 Power	C5SMF-GJF-CV0Y0791	1					.com/en/products/detai								
			Power diode	74LVC1G07SE-7	1					.com/en/products/detai	il/diodes-incor	rporated/74LVC1	G07SE-7/2356534					
			Res 1k	RNF14FTD1K00	5	40 0 0			ttps://wv for led po									