

Bill of Materials

Parts	Item Ref. #	Description	Part Num	Quantity	Unit	Unit Cost (\$)	Cost (\$)	Shipping (\$)	Total Cost(\$)	Vendor
Power Source	1	BatteryGuy 12V 220 mAh Alkaline Door Lock Battery	DL-30	2	2	\$9.95	\$19.90	\$0.00	\$19.91	Battery Guy
Battery - Connectors	2	Cable Matters 2-Pack 6 Pin PCIe Extension Cable 10 Inches	N/A	1	1	\$9.49	\$9.49	\$0.00	\$9.49	Amazon
Signal Detection	3	AD-FMCOMMS4-EBZ Wideband Software Defined Radio Board	783775-01	1	1	\$512.32	\$512.32	\$26.99	\$539.31	Analog Devices
Antenna	4	VHF stout and long antenna SMA connector 147-160MHz PD78Xi PD78XiG PD70Xi PD70XiG	AN0153H06	4	1	\$20.53	\$82.12	\$52.68	\$134.80	All points wireless
FPGA Code Support	5	Xilinx Zynq UltraScale+ MPSoC	EK-U1-ZCU102-G	1	1	\$3,387.00	\$3,387.00	\$54.00	\$3,441.00	Mouser
PMOD GPS	6	Digilent PMOD GPS	-	1	1	\$39.99	\$39.99	-	\$39.99	Digilent
Storage	7	SanDisk 32GB Ultra SDHC UHS-I Memory Card	SDSDUN4-032G-GN6IN	1	1	\$8.14	\$8.14	\$0.00	\$8.14	Amazon

Total Cost	\$4,192.64
Money Left	\$807.36