

Project:

Wii WEMOS D1 MK1 Wireless Link

Issued: 28/10/2022

Part	Qty	Unit Price (£'s)	Cost (£'s)	Supplier	Comments	Link
1N4006 Rectifier Diode 800V	1	£0.11	£0.11	ebay	Sunk cost	Link
Batteries 18650 Lithium 3.7v 3000mAh	2	£2.85	£5.70	AliExpress	Can be re-used on other projects	Link
Battery 18650 spring contacts, sourcing map	2	£0.31	£0.62	Amazon	Sunk cost - cost per cm	Link
Display 0.96inch white 64x128 OLED I2C	1	£2.60	£2.60	AliExpress	Can be re-used on other projects	Link
M3 x 30mm Nylon C-Sunk screws	1	£0.07	£0.07	RS Components	Can be re-used on other projects	Link
Mini 3A DC-DC Converter step down	1	£0.80	£0.80	AliExpress		Link
Mini Micro Button Switch 6x6x5 mm	1	£0.03	£0.03	Amazon	Sunk cost	Link
Pin Header Strips Male 1 x 40	1	£0.30	£0.01	ebay	Sunk cost	Link
Pin Header Strips Female 1 x 6 pin	1	£0.10	£0.10	ebay	Sunk cost	Link
Resistors 1/4 W	1	£0.03	£0.03	RS Components	Sunk cost	
Toggle Switch SPDT 5A@250 AC	2	£0.79	£1.57	Amazon	Can be re-used on other projects	Link
Wii Nunchuk Game Controller	1	£7.99	£7.99	ebay	Can be re-used on other projects	Link
WiiChuck Adapter Plate I2C	1	£1.49	£1.49	ebay	Can be re-used on other projects	Link
ESP8266 Wemos D1 mini	1	£3.16	£3.16	Amazon	Can be re-used on other projects	Link
Soft-melt Glue	1	£0.30	£0.30	Wilko	Sunk cost - estimate	
1.75mm PLA Filament 1kg reel	0.125	£24.00	£3.00	3DPrintz	Sunk cost - estimate	
			Total:			
			Re-use:	£23.39	Can be re-used on other projects	
			Sunk:	£4.19	Sunk cost	

Notes:

Prices are indicative. Bulk purchases may be required to achieve these figures. ie. LEDs, resistors, screws, etc
 Web links show components, nut not necessarily at the lowest price. Shop around.
 Wire wrapping wire (various colours) is needed but not included in the above costs
 Consumeables like solder, flux, hook-up wire, etc are not included here, but are needed.
 3-D printer is an estimate, but 1kg reel will do the job.
 You will need tools, including M3 tap and wire wrapper