

	Qty	Unit cost	Cost	Total =	£36.29
ATX Switch 4					
Main board					
PCB (assembled with all SMD components)	1	£8.80	£8.80		
4-port RJ45 connector	1	£0.97	£0.97		
1-port RJ45 connector	2	£0.28	£0.56		
Power connector (Barrel Jack)	1	£0.18	£0.18		
3-pole piano switch	1	£0.58	£0.58		
2x6-pin female connector	1	£0.18	£0.18		
MCP23008	1	£1.62	£1.62		
CD4052B	3	£0.25	£0.75		
LTV-817-C	20	£0.08	£1.60		
1x3-pin vertical header (2.54mm)	5	£0.01	£0.05		
Jumpers	5	£0.08	£0.40		
			Subtotal	£15.69	
Case					
3D printed case (2-parts)	1		£20.00		
M3 heat inserts	4	£0.08	£0.32		
M3 14mm black bolts	4	£0.03	£0.12		
Rubber feet	4	£0.04	£0.16		
			Subtotal	£20.60	
ATX Switch 8				Total =	£48.71
Main board					
costs from above			Subtotal	£15.69	
Daughter board					
PCB (assembled with all SMD components)	1	£4.40	£4.40		
4-port RJ45 connector	1	£0.97	£0.97		
2x6-pin male connector (long)	1	£0.18	£0.18		
CD4052B	3	£0.25	£0.75		
LTV-817-C	16	£0.08	£1.28		
18mm hex brass spacers	4	£0.15	£0.60		
M2.5 6mm bolts	4	£0.03	£0.12		
			Subtotal	£8.30	
Case					
3D printed case (3-parts)	1		£24.00		
M3 heat inserts	4	£0.08	£0.32		
M3 35mm black bolts - countersunk	4	£0.06	£0.24		
Rubber feet	4	£0.04	£0.16		
			Subtotal	£24.72	
ATX Adapter board				Total =	£2.98
PCB	1	£0.55	£0.55		
1-port RJ45 connector	1	£0.28	£0.28		
2-pin 2.54mm male connector	4	£0.01	£0.04		
2-pin 2.54mm female connector	4	£0.01	£0.04		
Full height X540-T1 metal bracket	1	£1.00	£1.00		
PC motherboard switch extender (20cm)	1	£1.07	£1.07		
			Subtotal	£2.98	

DIY PiKVM for ATX Switch

Total = £117.10

ATX Switch connector board

PCB	1	£0.76	£0.76
1-port RJ45 connector	1	£0.28	£0.28
2x20 three layer heightened GPIO header	1	£1.32	£1.32
KF2510 3+1P connector (for Noctua)	1	£0.07	£0.07
4-pin SH1.0 connector (for Pi 5 PWM Fan)	1	£0.17	£0.17
0805 4.7k SMD resistor	1	£0.01	£0.01
1x5-pin vertical header	1	£0.01	£0.01
1x2-pin vertical header	1	£0.01	£0.01
1x4-pin horizontal header	1	£0.01	£0.01
mini RTC module	1	£1.42	£1.42
		Subtotal	£4.06
2GB Pi4	1	£43.20	£43.20
C790 HDMI-CSI	1	£22.80	£22.80
USB-C power splitter	1	£3.55	£3.55
Angled USB-C cable	1	£6.13	£6.13
0.91 inch OLED screen (yellow)	1	£1.70	£1.70
4-pole dupont female-female 10cm	1	£0.33	£0.33
Noctua NF-A4x10 5V PWM	1	£13.95	£13.95
		Subtotal	£91.66
Case			
3D printed case (2 parts)	1		£20.00
M3 heat inserts	2	£0.08	£0.16
M3 35mm black bolts - cap head	2	£0.07	£0.14
Rubber feet	4	£0.04	£0.16
D4(M3) 15mm post screws	4	£0.22	£0.88
M3 rubber washer	4	£0.01	£0.04
		Subtotal	£21.38

ATX Switch Interface

Total = £24.19

ATX Switch Interface board

PCB	1	£0.46	£0.46
1-port RJ45 connector	2	£0.28	£0.56
2x7-pin female connector (2.54mm)	1	£0.14	£0.14
2x4-pin male connector (2.54mm)	1	£0.05	£0.05
11mm hex brass spacers	2	£0.17	£0.34
M2.5 6mm bolts	4	£0.03	£0.12
		Subtotal	£1.67
CP2112 debug board	1	£4.12	£4.12
		Subtotal	£4.12

Case

3D printed case (2-parts)	1		£18.00
M2.5 heat inserts	4	£0.07	£0.28
M2.5 12mm black bolts (countersunk)	4	£0.03	£0.12
		Subtotal	£18.40

DIY PiKVM v2 (single ATX)

Total = £118.15

ATX connector board

PCB	1	£0.76	£0.76
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1-port RJ45 connector	1	£0.28	£0.28	
2x20 three layer heightened GPIO header	1	£1.32	£1.32	
KF2510 3+1P connector (for Noctua)	1	£0.07	£0.07	
4-pin SH1.0 connector (for Pi 5 PWM Fan)	1	£0.17	£0.17	
0805 4.7k SMD resistor	1	£0.01	£0.01	
1x5-pin vertical header	1	£0.01	£0.01	
1x2-pin vertical header	1	£0.01	£0.01	
1x4-pin horizontal header	1	£0.01	£0.01	
mini RTC module	1	£1.42	£1.42	
KAQY214 SSR	4	£0.54	£2.16	
			Subtotal	£6.22
2GB Pi4	1	£43.20	£43.20	
C790 HDMI-CSI	1	£19.99	£19.99	
USB-C power splitter	1	£4.20	£4.20	
Angled USB-C cable	1	£6.13	£6.13	
0.91 inch OLED screen (yellow)	1	£1.70	£1.70	
4-pole dupont female-female 10cm	1	£0.33	£0.33	
Noctua NF-A4x10 5V PWM	1	£15.00	£15.00	
			Subtotal	£90.55
Case				
3D printed case (2 parts)	1		£20.00	
M3 heat inserts	2	£0.08	£0.16	
M3 35mm black bolts - cap head	2	£0.07	£0.14	
Rubber feet	4	£0.04	£0.16	
D4(M3) 15mm post screws	4	£0.22	£0.88	
M3 rubber washer	4	£0.01	£0.04	
			Subtotal	£21.38