

Motherboard structural components														Remark				
S01			S02 (+ input module)			S03 (+ input module)			S04			Load Cell (+ input module)			PP1 (+ input module)			
Total weight(g)	91		Total weight module(g)	96		Total weight module(g)	96		Total weight(g)	92		Total weight module(g)	97		Total weight module(g)	96		
name	Weight(g)	Proportion	name	Weight(g)	Proportion	name	Weight(g)	Proportion	name	Weight(g)	Proportion	name	Weight(g)	Proportion	name	Weight(g)	Proportion	
Epoxy resin	30	32.97%	Epoxy resin	33	34.38%	Epoxy resin	33	34.38%	Epoxy resin	30	32.61%	Epoxy resin	33	34.02%	Epoxy resin	33	34.38%	PCB board, monitor
White iron	23.5	25.82%	White iron	24.25	25.26%	White iron	24.25	25.26%	White iron	23.5	25.54%	White iron	24.25	25.00%	White iron	24.25	25.26%	European end, pin header
plastic	11	12.09%	plastic	11.25	11.72%	plastic	11.25	11.72%	plastic	11	11.96%	plastic	11.25	11.60%	plastic	11.25	11.72%	European end, pin header, other
copper	7	7.69%	copper	7	7.29%	copper	7	7.29%	copper	7	7.61%	copper	7	7.22%	copper	7	7.29%	Transformer, common mode inductor
glass fiber	5	5.49%	glass fiber	5	5.21%	glass fiber	5	5.21%	glass fiber	5	5.43%	glass fiber	5	5.15%	glass fiber	5	5.21%	PCB board
aluminum	2.5	2.75%	aluminum	2.5	2.60%	aluminum	2.5	2.60%	aluminum	2.5	2.72%	aluminum	2.5	2.58%	aluminum	2.5	2.60%	electrolytic capacitor
solder mask	2	2.20%	solder mask	2	2.08%	solder mask	2	2.08%	solder mask	2	2.17%	solder mask	2	2.06%	solder mask	2	2.08%	PCB board
quartz	1	1.10%	quartz	1	1.04%	quartz	1	1.04%	quartz	1	1.09%	quartz	1	1.03%	quartz	1	1.04%	quartz oscillator
other	9	9.89%	other	10	10.42%	other	10	10.42%	other	10	10.87%	other	11	11.34%	other	10	10.42%	
tin			tin			tin			tin			tin			tin			solder joint
Silicon dioxide			Silicon dioxide			Silicon dioxide			Silicon dioxide			Silicon dioxide			Silicon dioxide			IC components
Glass uranium			Glass uranium			Glass uranium			Glass uranium			Glass uranium			Glass uranium			Passive components
silver glue			silver glue			silver glue			silver glue			silver glue			silver glue			quartz oscillator
silver			silver			silver			silver			silver			silver			quartz oscillator
ceramics			ceramics			ceramics			ceramics			ceramics			ceramics			Passive components
Nichrome			Nichrome			Nichrome			Nichrome			Nichrome			Nichrome			Passive components
ammonia			ammonia			ammonia			ammonia			ammonia			ammonia			electrolytic capacitor
Ethylene glycol			Ethylene glycol			Ethylene glycol			Ethylene glycol			Ethylene glycol			Ethylene glycol			electrolytic capacitor
Glycerol			Glycerol			Glycerol			Glycerol			Glycerol			Glycerol			electrolytic capacitor
Boric acid			Boric acid			Boric acid			Boric acid			Boric acid			Boric acid			electrolytic capacitor
Silicon			Silicon			Silicon			Silicon			Silicon			Silicon			diode
Tantalum			Tantalum			Tantalum			Tantalum			Tantalum			Tantalum			Tantalum capacitor

Power supply structural components						Output structural components											
AC Power			DC Power			RS-485 Module		Analog Module (AO)		Relay							
Dual channel + single channel			2-way module +2WR2							Module+Relay*1		Module+Relay*2					
Total weight(g)	24		Total weight(g)	13		Total weight(g)	3		Total weight(g)	5		Total weight module(g)	11		Total weight module(g)	18	
name	Weight(g)	Proportion	name	Weight(g)	Proportion	name	Weight(g)	Proportion	name	Weight(g)	Proportion	name	Weight(g)	Proportion	name	Weight(g)	Proportion
copper	6.5	27.08%	Epoxy resin	6	46.15%	Epoxy resin	1.5	50.00%	Epoxy resin	2.5	50.00%	Epoxy resin	4.5	40.91%	Epoxy resin	6.5	36.11%
Epoxy resin	5.5	22.92%	copper	1	7.69%	White iron	0.5	16.67%	White iron	0.5	10.00%	White iron	2.5	22.73%	White iron	4.5	25.00%
White iron	3	12.50%	White iron	1	7.69%	other	1	33.33%	other	2	40.00%	copper	2	18.18%	copper	4	22.22%
aluminum	2.5	10.42%	aluminum	1	7.69%	copper			copper			other	2	18.18%	other	3	16.67%
plastic	2	8.33%	plastic	1	7.69%	plastic			plastic			plastic			plastic		
other	4.5	18.75%	other	3	23.08%	glass fiber			glass fiber			glass fiber			glass fiber		
glass fiber			glass fiber			solder mask			solder mask			solder mask			solder mask		
solder mask			solder mask			Silicon dioxide			Silicon dioxide			Silicon dioxide			Silicon dioxide		
Silicon dioxide			Silicon dioxide			Glass uranium			Glass uranium			Glass uranium			Glass uranium		
Glass uranium			Glass uranium			ceramics			ceramics			ceramics			ceramics		
ceramics			ceramics			Nichrome			Nichrome			Nichrome			Nichrome		
Nichrome			Nichrome			tin			tin			tin			tin		
tin			tin														
ammonia			ammonia														
Ethylene glycol			Ethylene glycol														
Glycerol			Glycerol														
Boric acid			Boric acid														

Case structural components (110g)		
Name	Weight(g)	
PC	Body	46.95
Copper	Body with screws	1.05
PC	Bracket*2	20
PC	Panel Cover	11
PC	Dust Cover	20
PC	Panel Sticker	1
White Iron	Screws*2	10