Component	Company	Size (mm)	Mass (g)	T range (C)	DC Voltage	Current (A)	Power (W)
Orthogonal Reaction Wheels	NanoAvionics	43.25×43.25×24	137	-40 to +80	5V	20	3.25
GPS Patch Antenna	NanoAvionics/SkyFox Labs	98×98×13	50	-40 to +85	2.7-5.5	20 mA	0.11
UHF Antenna System	GOMspace	221.7×116.7×5.3	90	-40 to +90	3.2-3.4	50 mA	2-5
S-band Patch Antenna	GOMspace	98×98×20.1	110	-40 to +85	18	0.6	11
Sun Sensor	German Orbital Systems GmbH	81×36×9	9.7	-40 to +80	3.3-5	4.4	22
Solar Arrays	German Orbital Systems GmbH	81×330×6.5	97	-40 to +80			2.3
Star Tracker	Hyperion Technologies/Berlin Space Technologies	29×29×38.1	42	-20 to +40	3.6-5	0.05-0.2	1
ISIS On Board Computer (iOBC)	ISISPACE	96×90×12.4	100	-25 to +65	3.3	0.121	0.4
Tri-axial Magnetometer	NewSpace Systems	99×43×17	85	-25 to +70	5	0.15	0.75
NANOQUEST Miniature Spectrometer	OceanInsight	70×50×25	120	-5 to +40	5	0.15	0.75
Raspberry Pi High Quality Camera	Raspberry Pi	52,8×38×18,4	53	0 to +50			1.6
iEPS Electrical Power System (battery)	ISISPACE	96×92×15.95	360	-20 to +70	16	4	64

https://www.cubesat.org/descriptions

Component	System	Subsystem	Mass (g)	Mass (g)	Power (W)	Power (W)
Orthogonal Reaction Wheels (4)	Altitude and Orbit and Control System	Actuators	548	548	13	13
GPS Patch Antenna (1)		Sensors	50	366.4	0.11	47.36
Star Tracker (1)			42		1	
Sun Sensor (2)			19.4		44	
Tri-axial Magnetometer (3)			255		2.25	
ISIS On Board Computer (iOBC) (1)		Computational and Control Module	100	100	0.4	0.4
Solar Arrays (24)	Electrical Power System	Electrical Power System	2328	3048	331.2	459.2
iEPS Electrical Power System (battery) (2)			720		128	
UHF Antenna System (1)	On-board Command and Data Handling	Communication System	90	200	5	16
S-band Patch Antenna (1)			110		11	
NANOQUEST Miniature Spectrometer (1)	Payload	Payload	120	173	0.75	2.35
Raspberry Pi High Quality Camera (1)			53		1.6	
Total			4435.4	4435.4	538.31	538.31

Power consumption	Cost (Euros)	Link
iddle 45 mW, steady 150 mW, peak 3250 mW		https://nanoavionics.com/cubesat-components/cubesat-reaction-wheels-control-system-satbus-4rw/
0.11	1190	https://www.skyfoxlabs.com/product/14-pipatch-l1e1 https://nanoavionics.com/cubesat-components/cubesat-gps-patch-antenna/
2-5		https://gomspace.com/shop/subsystems/communication-systems/nanocom-ant-6f.aspx
11		https://gomspace.com/shop/subsystems/communication-systems/nanocom-ant2000.aspx
22		https://satcatalog.s3.amazonaws.com/components/370/SatCatalog_-_German_Orbital_Systems_-_GOS_Sun_Sensor_-_Datasheet.pdf
2.3 per unit		https://www.orbitalsystems.de/wp-content/uploads/2019/12/8-Solar-Panel.pdf
min 180 mW, low power 600mW, max 1000 mW		https://satsearch.co/products/hyperion-technologies-st200-star-tracker
avg 400mW	4400-12600	https://www.cubesatshop.com/product/isis-on-board-computer/
<750 mW	12792,19	https://www.cubesatshop.com/product/nss-magnetometer/
750 mW	5533,05	PAPER V1 https://www.oceaninsight.com/products/spectrometers/near-infrared/nanoq-2.5/?qty=1
0.4-1.6	66,67	PAPER V1 https://www.raspberrypi.org/products/raspberry-pi-high-quality-camera/ https://amperka.ru/product/raspberry-pi-high-quality-camera#docs
64		https://www.isispace.nl/product/ieps-electrical-power-system/
