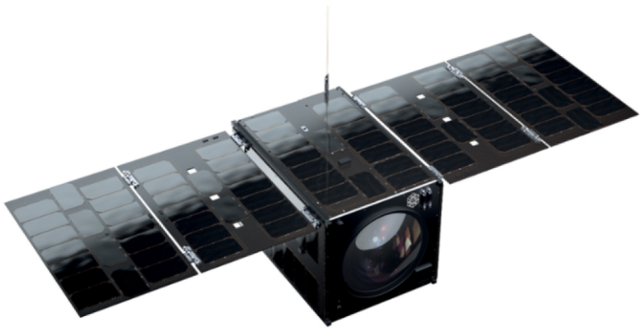

EPIC 12U

Our experience in delivery of CubeSat missions for a wide range of applications means that our EPIC and EPIC PLUS platforms have the versatility to meet the requirements of most payloads.

The big dog of our CubeSat range is the EPIC 12U. With up to 8U of available payload volume (or 12U of payload on our 16U option), and the ability to accomodate large arrays of deployable solar panels, this class of CubeSat offers increased performance whilst still boasting the same proven avionics core.

PRODUCT DETAIL

	EPIC 12U PLUS	EPIC 12U
Payload Volume (min)	8U	9U
Peak Payload Power	300 W	240 W
Power Bus	VBAT 3.3V, 5V and 12V	
Energy Storage (min)	200 Wh	160 Wh
Pointing (min)	<0.05º	
Stability	0.002º/s	
Data Storage (min)	4 GB	
Reliability	EPIC-SAFE	
Data Bus	I2C, CAN, UART, QSPI, LVDS, RS232, RS422	
Data Downlink	100Mbps/9.6kbps	8Mbps/9.6Kbps
Frequency	X/VHF/UHF	S/VHF/UHF
Framing	CCSDS Compatible	
Security	AES256 Encryption Authentication	
Design Lifetime	5yr	

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