



# U SPACE

		16U	Freeform
<b>Lifetime</b>		5 years	
<b>Spacecraft Mass Max</b>		26 kg	140 kg
<b>Orbit compatibility</b>		LEO, 50° to SSO, All LTANS	
<b>Payload</b>	<b>Mass max.</b>	12 kg	80 kg
	<b>Volume</b>	8U Cube + 2U	480x600x800 mm
	<b>Communication</b>	UART, SpaceWire, CAN	UART, SpaceWire, CAN
	<b>Power max</b>	150 W	>250 W
	<b>Payload Average Orbital Power (SSO 550km)</b>	55W (LTAN 6h-18h) 25W (LTAN 12h-24h)	175W (LTAN 6h-18h) 78W (LTAN 12h-24h)
<b>Power</b>	<b>Bus power generation</b>	80 W	270 W
	<b>Power Supply</b>	Regulated and Non regulated Lines up to 16V, up to 5 lines	Up to 4x10 BNR (20-24V) 4x4 regulated lines (3.3-15V) 4x1 high voltage (28-33V)
	<b>Battery Capacity</b>	Up to 386 Wh BOL	BOL 800 Wh EOL 560 Wh
<b>GNC</b>	<b>Absolute Knowledge Error</b>	< 133μrad   7.6 mdeg	< 94μrad   5 mdeg
	<b>Absolute Performance Error</b>	< 164μrad   9.4 mdeg	< 126μrad   7 mdeg
	<b>Relative Performance Error (10ms)</b>	<0.2 μrad   0.012 mdeg	
<b>Propulsion</b>	<b>Iodine</b>	4700 N.s	9 400 N.s
	<b>Electrospray</b>	5000 N.s	18 800 N.s
<b>Command &amp; control</b>	<b>S-Band Uplink</b>	64 kbps	
	<b>S-Band Downlink</b>	400 kbps	
	<b>X-Band Downlink</b>	up to 522 Mbps	