SERENUM
SPACE

JUNO CUBESAT STRUCTURAL FRAMES

FLIGHT HERITAGE

JUNO CubeSat Structures are highly modular and durable satellite frames for space solutions. Designed for easy integration, the structure offers competitive payload volume with easier access to all payloads and compatibility with modern CubeSat deployers. The frame design is also highly versatile, supporting multiple PCB stack configurations.

- Modular design for easy integration and accessibility
- PC104 fully compatible
- Multiple PCB sizes supported
- Dual kill switch mechanism
- Thermal range (min-max) - 40 to + 80 °C
- Customizable structural elements: special mount points, cut-outs, special surface treatments
- Detachable side panels for maximum accessibility
- Expert support for payload integration included
- Material: Aluminium, Titanium, Stainless Steel

PROPERTIES

MATERIAL, SIZE, AND MASS

	1U	2U	3U	6U
Material	Aluminium, Titanium, Stainless Steel	Aluminium, Titanium, Stainless Steel	Aluminium, Titanium, Stainless Steel	Aluminium Alloy, Titanium Alloy, Stainless Steel Alloy
Outside envelope (l x w x h)	100×100×113,5 mm	100×100×270 mm	100×100×340.5 mm	226.3×100×340.5 mm
Inside envelope (l x w x h) per module	(1×) 99.5×96.6×96.6 mm	(2×) 99.5×96.6×96.6 mm	(3×) 99.5×96.6×96.6 mm	(6×) 99.5×96.6×96.6 mm
Mass	133 g	261 g	384 g	800 g*

*depends on the number of Stack Assemblies

QUALIFICATION (QT) AND ACCEPTANCE (AT) TESTING

Functional	Vibration	Mechanical shock	Thermal vacuum cycling
QT, AT	QT	QT	QT