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UARX Space's
Launch & Transportation Services
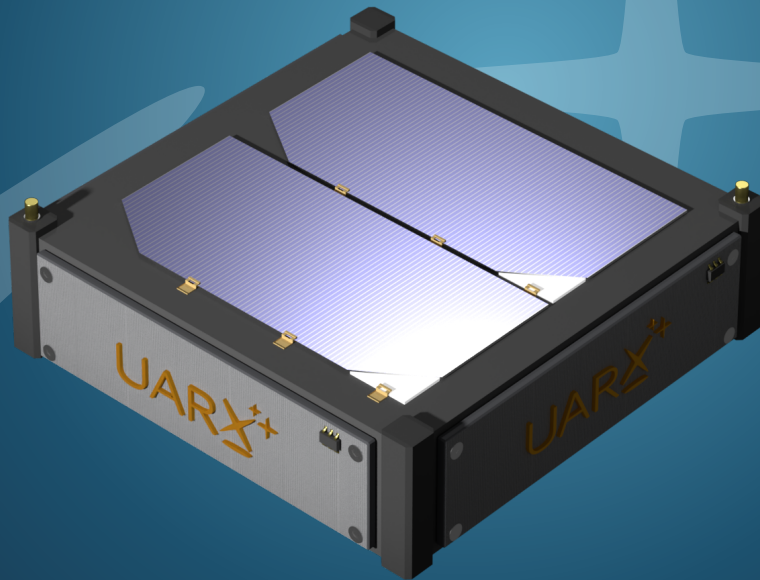
Allocation Quick Specs - 0.25U CubeSat

Your ride in Space.

25.5 (x4) MAX

Ø 86.0 MAX

6.5 MIN

+Y

+X

87.0 MAX

50.0 (x4)

87.0 MAX

100.0

25.5 (x2) MAX

+Y

+Z

100.0

86.0 MAX

50.0 MAX

28.4 or 30.5

Main spacecraft body
CubeSat rails
Protrusion allowance
"Tuna Can" allowance*
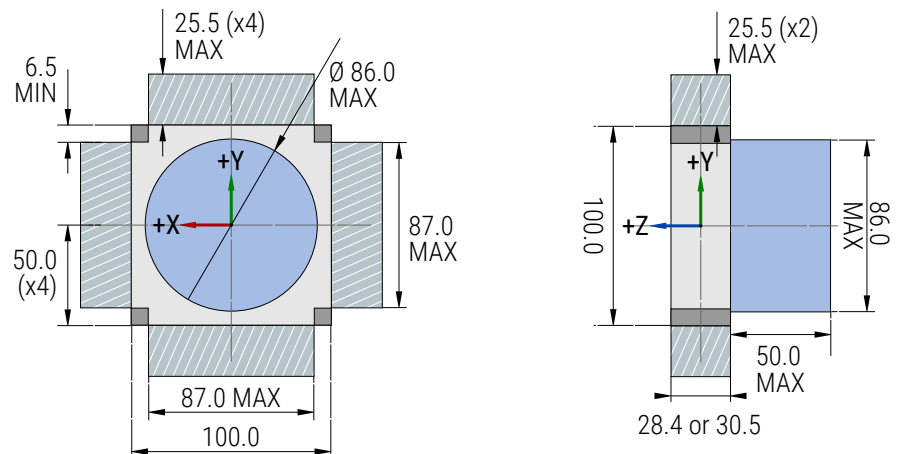
All dimensions are in mm.
Tolerance ±0.1 mm.

RAMI deployers accept two lengths of 0.25U CubeSats, the standard with 28.4mm, and the XL with 30.5mm. Customers can take advantage of the extra-room RAMI provides, including 25.5mm of protrusions allowance in the dynamic envelope.

Technical Specification	0.25U	0.25U-XL
Maximum payload mass [kg]	0.625	0.625
Number of Tuna Can available	1*	1*
Surface roughness [µm]	<1.0	<1.0
Maximum center of gravity deviation[1] in X [mm]	±20.0	±20.0
Maximum center of gravity deviation[1] in Y [mm]	±20.0	±20.0
Maximum center of gravity deviation[1] in Z [mm]	±5.0	±5.0

[1]Deviation is measured from the geometric center of a 0.25U spacecraft

*When mounted on the push plate of the deployer. Only available for one spacecraft in the stack.

x4 = 1U   x8 = 2U   x12 = 3U
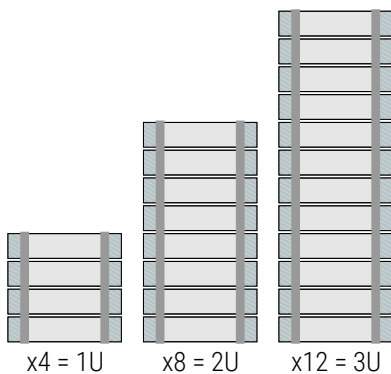
Example of flight configurations for 0.25U CubeSats

CubeSats using a 0.25U form factor may be combined with other spacecraft in the deployer to occupy the assigned bay. The configuration ultimately depends on the manifest and final flight configuration, being possible to combine them with other 0.25U, 0.5U, 1U, 1.5U, or 2U CubeSats.

UARX Space recommends a configuration with enough number of spacecraft that can ensure instant accommodation on a dedicated bay, so the customer will prevent having delays on the assigned spot to fly.

UARX
space solutions