

FUSEBLOX™

DESCRIPTION

FuseBlox™ are all-in-one spacecraft docking and connection devices for use on nano-, micro-, and small satellites. FuseBlox™ facilitate both soft and hard capture with near-zero momentum transfer and provide high-reliability electrical power and data connectivity. Individual FuseBlox™ are not gendered and are designed to fit a variety of applications. The self-aligning grapple technique accommodates small spacecraft rendezvous misalignments while device symmetry enables four secure mated configurations.

VISION

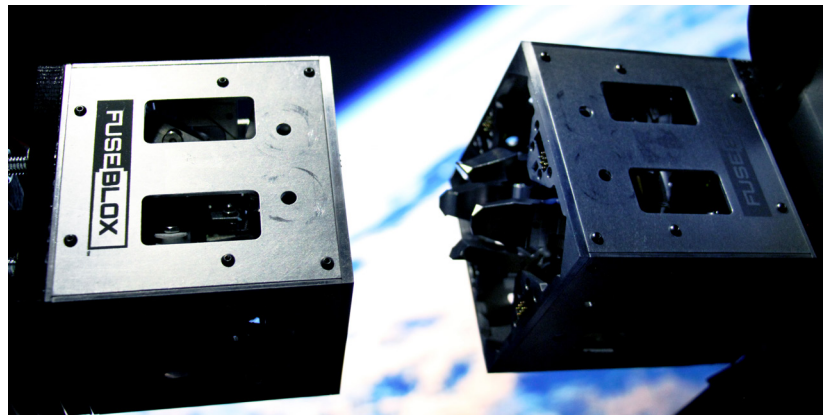
While there are numerous uses for this hardware, Blink Astro® envisions a modular building system that accelerates the utilization and commercialization of LEO, GEO, and beyond. Our vision brings together spacecraft modules, potentially made by different companies or nations, to connect, support, and communicate with one another to create a system that is more robust and capable than any one module. Our hope is to ultimately improve the support of structures, platforms, and serviceable spacecraft with the use of FuseBlox™.

CONNECTION SPECIFICATIONS

Power Transfer	500 W
Data Transfer	4 Gbps
Preload Force	100 N

PHYSICAL PROPERTIES

Length	10 cm
Depth	10 cm
Width	10 cm
Mass	≤ 2 kg



KEY FEATURES

Androgynous

Multiple Docking Orientations

Self-Aligning

Near-Zero Momentum Transfer

Low Form Factor

Embedded Redundancy

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