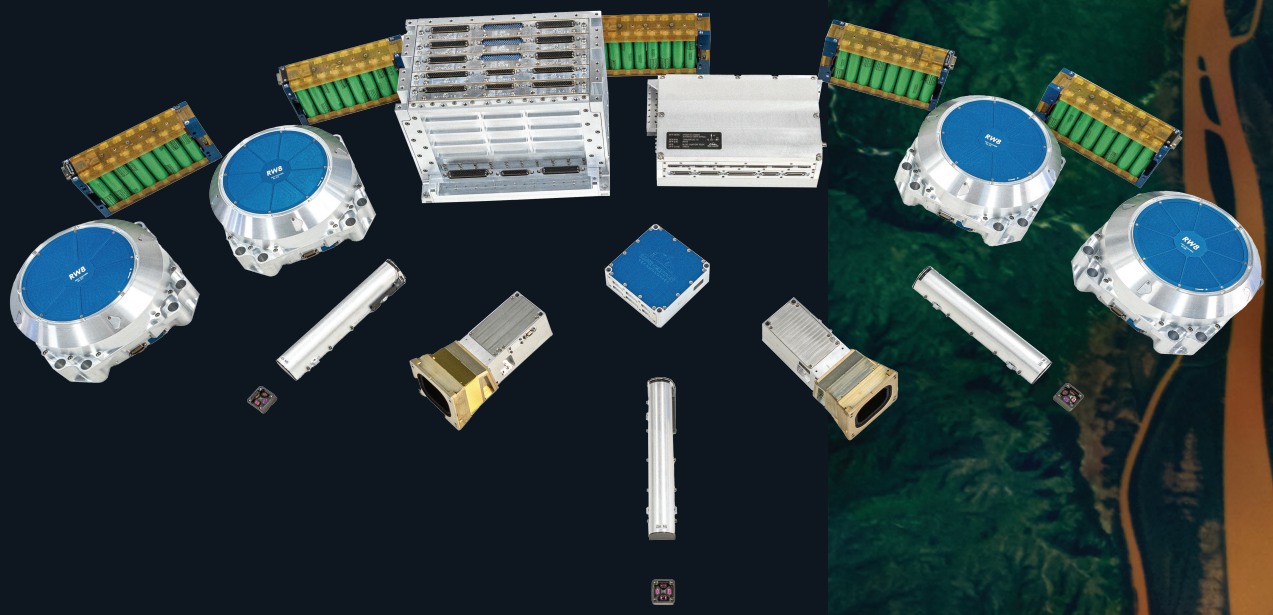
FLEXBUS



The FleXbus mission enabler provides customers with a mission-ready, flight-proven kit of spacecraft components, including our industry-leading FleXcore guidance, navigation and control subsystem. These configurable components assemble quickly and operate together on orbit allowing customers to accelerate launch, build sovereign capability, focus on mission-specific engineering and gain hands-on integration experience.



FLEXBUS

POWER DISTRIBUTION	up to 3 kW
ENERGY STORAGE	40.8 Ah - 172.8 Ah
INPUT VOLTAGE	< 75 V
INTERFACES	LVDS, RS-422, Ethernet, SpaceWire
POINTING ACCURACY	< 5 arcsec (1 sigma), per axis *Typical. Mission specific pointing performance analysis available as option.
SWITCHED LOADS	Up to: 24x 12 Amp high current lines, 24x 6 Amp deployment lines, and 48x 3 Amp heater lines

PRODUCT OPTIONS

Base:

- Spacecraft subsystems including an avionics computer and command & data handling system
- GNC control algorithms, sensors and actuators
- Electrical power system controller and batteries
- Payload and peripheral systems interfaces
- Flight software with payload and subsystem APIs
- Configuration of GNC settings for spacecraft
- User guides, handbooks, ICDs, harnessing guidelines

Options:

- Solar array drive assemblies, solar arrays and hinges
- Select radio and propulsion solutions
- Engineering services available upon request

Note: This data is for information only and subject to change. Please contact us for current design data.

MDA SPACE

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