



INFINITY AVIONICS

YOUR EYES IN SPACE



INFINITY
AVIONICS

Infinity Avionics is an Australian company which provides reliable and rugged optical sensor and processor solutions for the space industry and other high-reliability applications.

Our vision is to put our customers at the forefront of their missions through our reliable, robust and qualified technology solutions complemented by our know-how, specialised facilities, experience and expertise.



The team at Infinity Avionics is experienced in electronics design for space applications, project management, systems engineering, defence, and manufacturing, having contributed to the success of several Australian space missions.



Infinity Avionics provides space flight-proven and radiation-tested sensor and processor subsystems for space missions worldwide. Additionally, Infinity Avionics provides consulting services to design and deliver custom sensor payloads to meet customers' mission requirements in a timely manner.



Onboard **25+** space missions

Designed **110+** electronics modules for space

5+ space qualification campaigns

Provided expertise to **20+** design studies

40+ years collective Aerospace experience

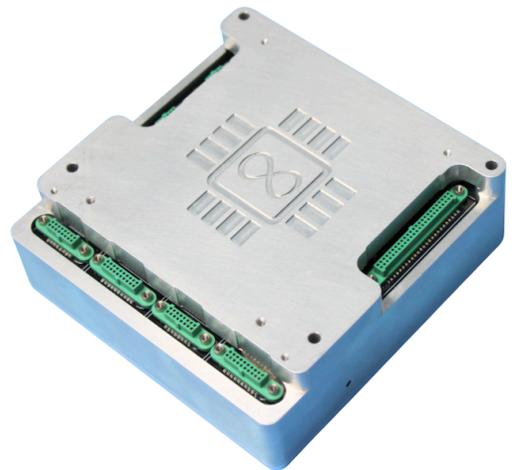
BRAIN



Infinity Avionics **BRAIN** is a Jetson Orin NX based edge processing solution for space applications. **BRAIN** brings up to 100 TOPS processing power to enable space edge processing. The edge processor comes with ruggedized enclosure and easy to integrate thermal interface.

Technical specifications

Processor	Nvidia Jetson Orin NX 16GB RAM
NVMe storage	PCIe Gen3 256GB
Input voltage	12V
Input power	30 W max
Interfaces	Ethernet, USB, UART, GPIOs
Form factor	100mm x 100mm x 35mm
Weight	530 grams



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