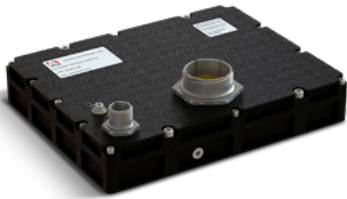


Aitech S-A6640

Unmanaged Ethernet Switch for Space



The S-A6640 is the space industry's first standalone SFF Ethernet switch designed and tested for NEO and LEO missions. The unmanaged Ethernet switch features 12x 1GE copper ports and uses Ethernet protocols to help lower costs and significantly improve time-to-market for small satellite constellations as well as manned missions. Packaged in a radiation-tolerant SFF, the S-A6440 can be easily installed, and significantly lowers the risk of communication-related failures in space.

The S-A6640 is part of Aitech's Space Digital Backbone (DBB) architecture, including the S-A1760 and SP0-S, as well as engine controllers.



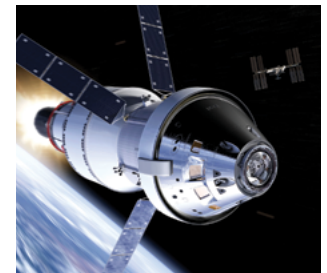
See Our Entire Space Product Portfolio

TECHNOLOGY HIGHLIGHTS & CUSTOMER BENEFITS

- First radiation-tolerant SFF unmanaged switch fully tested and verified for LEO/NEO
- Excellent high-speed connectivity, with 12x 1GE copper ports
- Fast Boot restores operation immediately after power spike/failure
- Lower cost of ownership through COTS Lifecycle+™ obsolescence management
- Reduced time to market using our in-house hardware and software design services

PRODUCT APPLICATIONS FOR LEO/NEO

- Network interconnect on satellites
- Human-rated platforms
- Digital cameras
- Connectivity for GPGPU, edge computing and storage
- Network scalability



KEY PRODUCT INSIGHTS

Standalone SFF unmanaged switch	Dimensions: 40.0 x 230.5 x 180.5 mm (1.57 x 9.07 x 7.11") Weight: <2.5 kg (5.5 lb)
Layer 2 switch packet processing	-40°C to +60°C operating temperature range
12x 10/100/1000BaseT Gigabit Ethernet copper ports	25 W max, dependent on Ethernet port utilization
Additional system resources include temperature sensors, power monitor and watchdog	Vibration and shock per VITA 47, EMI/RFI per MIL-STD-461

As a pioneer in the field of computing technologies, Aitech provides reliable, rugged embedded systems for the harshest, most unforgiving operating environments across the globe, to secure a better tomorrow.

Contact Aitech Today!

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