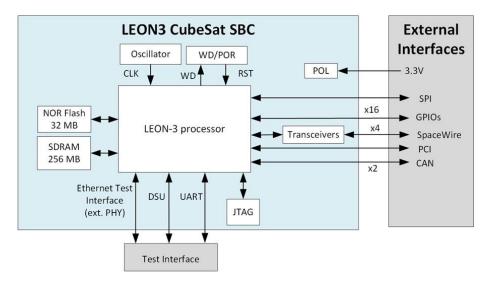


OVERVIEW

Cubic Aerospace's radiation hardened Single Board Computer (SBC) provides high performance at low power, within the standard CubeSat form-factor. Designed for high reliability missions, the SBC combines a radiation hardened design, low power, and a wide range of interfaces including: 4 SpaceWire ports, CAN bus, UART, SPI, I²C and 1553B. The SBC also provides re-programmable FPGA functionality for mission specific configurations.



SPECIFICATIONS

93 x 93 x 14	mm
125	g
+3.3	V
< 5	W
132	MHz
158	DMIPS
-40 to 105	°C
> 50	kRad (Si)
Operate through: LET > 37 MeV Survive: LET > 87 MeV	MeV-cm2/mg
	125 +3.3 < 5 132 158 -40 to 105 > 50 Operate through: LET > 37 MeV

1. Power can be reduced by operating at a lower clock speed.

APPLICATIONS

 Low power, high-reliability flight computer

FEATURES

<u>Processor</u>

UT700 LEON3 FT core

- 33-132 MHz Clock
 - o up to 158 DMIPS
- SPARC V8 Compliant

Memory

- 256 MB of EDAC SDRAM
- 32 MB of EDAC NOR Flash

Interfaces

- Spacewire (x4)
- UART
- SPI
- · I²C
- CAN
- 16 GPIO
- 1553B (optional)
- Ethernet & DSU (GSE)

General

- CubeSat form factor
- Flexible architecture
- Re-configurable FPGA

INQUIRIES

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