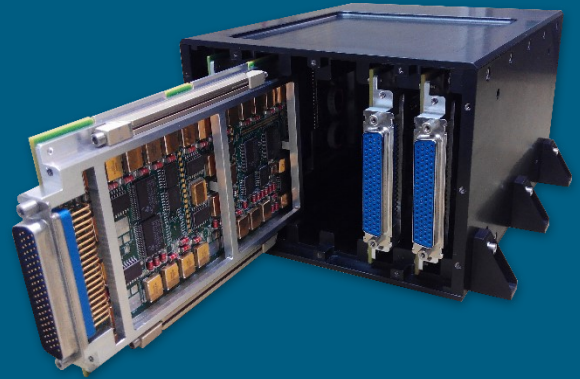


Smallsat On-board Computer

Space Platform



Complete smallsat on-board computer provides all required features of a small or micro satellite platform in the range between 25kg to 300kg.

Flight proven unit (TRL9) for customers requiring fast delivery and reduced non-recurrent costs. Easy customization on demand.

- cPCI 3U box
- Processing
 - LEON3FT SPARC V8 Processor
 - 256KB PROM, 1MB EEPROM, 8MB RAM
 - BC 1553B A/B (optional)
 - RS422/LVDS/I2C/GPIO/HPC
- Platform I/F
 - Reaction Wheel
 - Magneto-torquers
 - Magnetometer
 - Sun Sensor
 - Analogue & Digital Acq
 - Star-tracker data and TEC control
- TT&C
 - UHF: 436MHz
- Power Management
 - Battery & SA management
 - 100W
 - S3R or MPPT regulation
 - LCL and power bus TM
- < 2.5kg
- <10W
- Temp: -40°C ... +50°C
- TID: 20krad(Si)
- SEE: 35 MeV/cm2.gr

