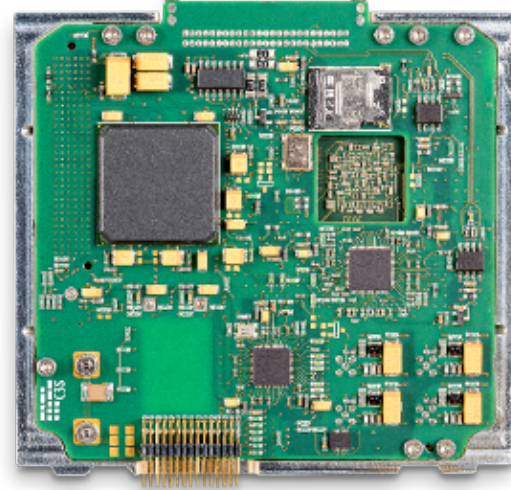
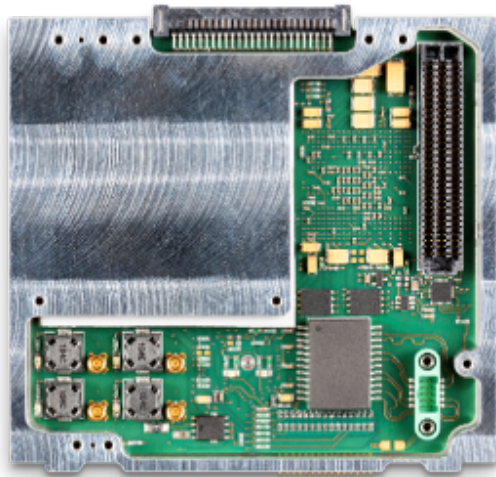


COMPUTATION PLATFORM FOR NANO/MICRO SATELLITES



BENEFITS

CHP-OBC

- The CHP-OBC is a general-purpose computation platform for nano- and micro satellites. It provides high computation capacity, versatile and flexible interface capabilities, and robust and reliable power supply for payload subsystems.

Main features:

- High computational & storage capacity
- Full-featured Linux environment for application development
- Highly customizable interface set
- Wireless link for development-time debug purposes

Central microprocessor	Quad-core Cortex-A35
µP core frequency	Up to 1.2 GHz
RAM	1 GB LPDDR4
Mass storage	5 GB on-chip eMMC, removable SD
Operating system	Yocto Linux*
Dimensions	≈ 100 × 100 × 50 mm
Interfaces	Fixed interfaces <ul style="list-style-type: none"> • 8 × GPI, 8 × GPO • 1 × SPI bus master (LVCMOS3V3) • 1 × SPI bus master (LVDS) • 2 × full-duplex UART (LVCMOS3V3) • 2 × SpaceWire (ECSS-E-ST-50-12C) <ul style="list-style-type: none"> • 3 × CAN 2.0B • 1 × USB2.0, 1 × USB3.0 • 1 × Gigabit Ethernet



HUNGARIAN DEFENCE EXPORT AGENCY

Export Promotion
Exhibitions
Sales
G2G



vexhungary@vexhungary.com



CONTACTS

H - 1011 Budapest,
Fő u. 14-18. Building A.
+36 1 201 3271



MANUFACTURER

C3S Ltd. - Hungary



MINISTRY OF DEFENCE
HUNGARY

WWW.VEXHUNGARY.COM