

NEWSPACE MARKET · COMPANY PROFILE



O.C.E. Technology

ocetechnology.com

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WITH DATASHEETS

newspacemarket.com/companies/o-c-e-technology-oce/

as of 26 August 2026



O.C.E. Technology

OCE Technology designs and manufactures high-reliability embedded software, hardware, and satellite subsystems. Its software offerings include the OCEOSmp multicore real-time operating system, which complies with ESA's ECSS Category B standard, and DMON2 debug software for SPARC embedded developers. Hardware products include the HISAOR radiation-tolerant high-performance AI chip, the E698PM radiation-hardened quadcore SPARC LEON4 chip, and radiation-tolerant system-in-package (SIP) memories. Satellite subsystems offered are Star Trackers, Solar cells, and Batteries. The company's subsystems have been designed by Chinese space organizations over the past 20 years and have flight heritage on many Chinese satellites and space vehicles. Customers include embedded system developers and Chinese space organizations.

This profile is generated from the live NewSpace Market catalogue. Specifications are as published by the manufacturer; every product links to a page where a request for quotation reaches the company directly.

SERVICES

Services

Functional requirements analysis & verification OCE provides functional requirements analysis and verification to ensure the functionality of embedded systems before release.	Hardware & software integration OCE performs hardware and software integration for embedded systems, leveraging its skilled team and advanced tools.
Module/Unit & system testing OCE conducts module/unit and system testing for embedded systems, supported by in-house automated test systems.	Reliability Analysis & Certification OCE provides reliability analysis and certification for embedded systems, ensuring high standards for critical applications.

Product catalogue

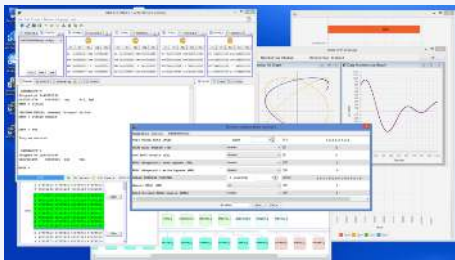


O.C.E. TECHNOLOGY

DMON

DMON2 is a software tool that improves developer productivity by speeding up the debug of embedded software applications on system-on-chips (SOCs) with one or more SPARC V8 LEON or

price on request

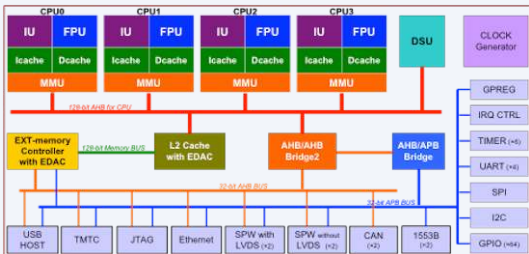


O.C.E. TECHNOLOGY

DMON2

DMON2 is a debug software offering fast multi-core source level debugging using Eclipse TCF protocol and supporting the ESA GR716 microcontroller, designed for space and high-relia

price on request



O.C.E. TECHNOLOGY

E698PM Radiation-hardened SPARC V8 Quadcore Processor System-on-Chip (SoC)

The E698PM Radiation hardened processor is a high performance, high reliability, high integration and low power multi-core SoC, compliant with the SPARC V8 standard.

price on request

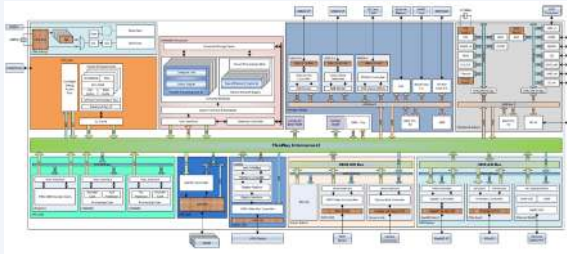


O.C.E. TECHNOLOGY

hisaor AI chip

O.C.E. Technology's hisaor AI chip is designed for embedded vision applications, featuring multiple GPUs, neural network accelerators, and ARM Cortex-A9 processors for high-resolut

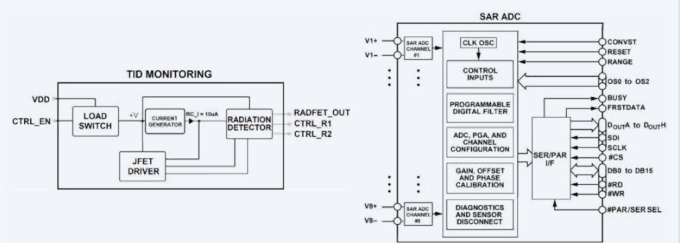
price on request



O.C.E. TECHNOLOGY HISAOR Rad-tolerant AI SOC

HISAOR is a rad-tolerant high performance (12 TOPS, 64 GFLOPS) AI SOC designed for high-reliability embedded AI applications.

price on request

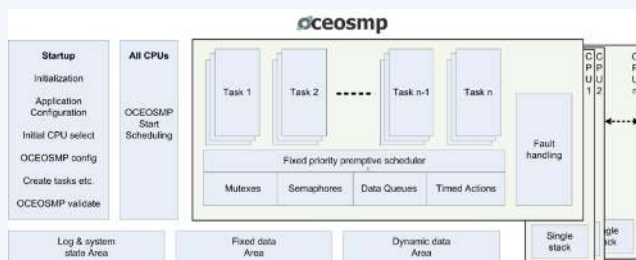


O.C.E. TECHNOLOGY OCE TID-ADC

The OCE TID-ADC is a Total Irradiation Dose (TID) monitoring module with a high frequency analogue-to-digital converter supporting 8-channel 16-bit successive-approximation-register

TID monitoring range	up to 100 kRad cumulative dose
ADC channels	8-channel
ADC resolution	16-bit
Maximum sampling	1MSPS
Analog channel input impedance	1 MΩ
Input/output port operating voltage range	1.71 V to 5.25 V (VDRIVE)
Analog input channel bandwidth	25 kHz or 250 kHz

price on request



O.C.E. TECHNOLOGY OCEOS (single core) & OCEOSmp (multicore) RTOS

OCEOS and OCEOSmp are real-time operating systems developed to meet ESA's evolving requirements for existing and new System-on-Chips, offering deterministic behavior and robust per

Code Footprint	<10 kB (core functionality)
Supported Architectures	SPARC, ARM, RISC-V
Certification	ESA ECSS Category B standard
Multicore Certification	RISC-V Microchip PolarFire®, SPARC LEON4 E698PM, ARM Cortex-A9 HISAOR AI SOC

price on request [datasheet](#)



O.C.E. TECHNOLOGY OCEOSmp BSP for PolarFire® SoC FPGA

OCEOSmp is a real-time operating system compliant with European Space Agency standards (ECSS Category B), tested on the PolarFire® SoC FPGA icicle development board.

price on request



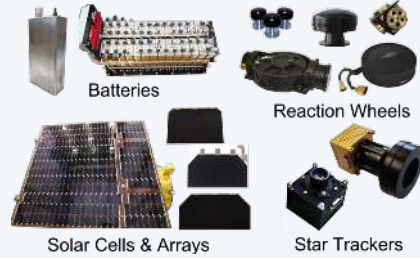
O.C.E. TECHNOLOGY

OCEOSmp Real-Time Operating System and Radiation-Tolerant SoCs

OCE Technology designs high-reliability embedded software and hardware for the most challenging space applications. OCEOSmp is a multicore, real-time, pre-emptive fixed-priority op

Product	OCEOSmp multicore real-time operating system
Qualification	ESA ECSS Category B compliant
Processors	RISC-V, ARM, SPARC
Memory footprint	Very small; one system stack per CPU
Hardware line	Radiation-tolerant SoCs, SiP memories, satellite subsystems

price on request



Batteries

Reaction Wheels

Solar Cells & Arrays

Star Trackers

O.C.E. TECHNOLOGY

Satellite Subsystems

O.C.E. Technology offers a range of satellite subsystems, designed by Chinese space organisations over the past 20 years, with heritage on many Chinese satellites and space vehicle

price on request



O.C.E. TECHNOLOGY

SiP – System-in-Package

System-in-package (SiP) components integrate multiple integrated circuits into a single module, offering high performance and reliability for harsh environments.

price on request

Contact O.C.E. Technology

Open the company profile on NewSpace Market to see full specifications and datasheets, and to send a request for quotation that reaches the manufacturer directly.

<https://newspacemarket.com/companies/o-c-e-technology-oce/>

<https://ocetechnology.com>

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