

Unibap's iX5 & iX10 ADS Fast-Track to Space-Grade Software Development

iX5 & iX10 ADS

Unibap provide application development systems called ADS to enable third party Unibap SCOS users to create new applications, or mission customers to get a head start in their software development.



HEAD START



Software development has always been stressful in the space industry, inherently delayed by the maturity of the hardware. Our application development systems are made to solve this problem. They are delivered of-the-shelf directly upon order. Hence, you don't need to wait for EMs and FMs, but your software team can begin meaningful development from day one.

BUILDING COMMUNITY



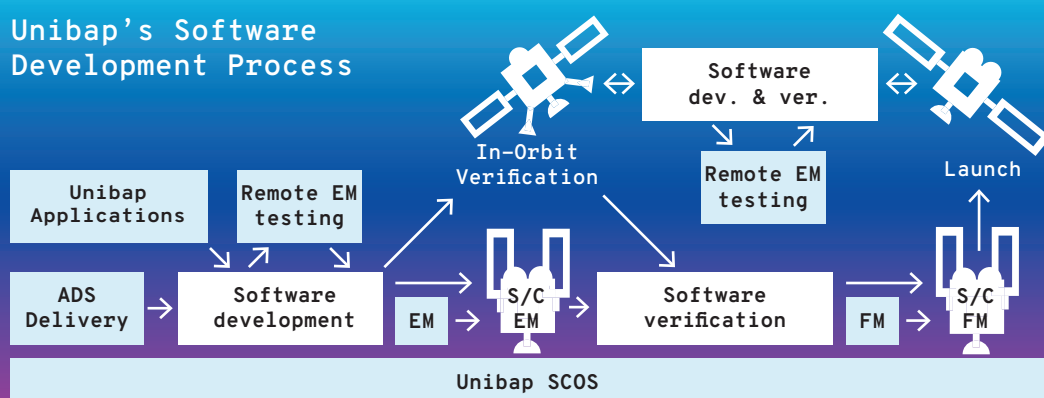
You don't need a satellite to make space software. Unibap supports a community of software developers that create powerful space applications without operating their own flight computers or spacecraft. This far, we have helped to test more than 40 applications in space, and supported our community to find business among satellite operators.

STREAMLINED PERFORMANCE



Bringing Earth-like computing to space requires equal understanding of the opportunities of open-platform computing and the limitations imposed by space itself. ADS offer streamlined performance with the same hardware solutions as in out space computers to help you to build space software from the bottom up.

Unibap's Software Development Process



iX5 ADS

Application development system for the iX5 computer family.

iX10 ADS-X

Application development system for the iX10 computer family.

iX10 ADS-X2

Application development system for the iX10 computer family with both Intel Movidius Myriad X and Hailo-8 VPU.

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Model Name

iX5 ADS

PROCESSING & MEMORY

CPU	AMD Steppe Eagle
GPU	AMD Radeon
VPU	Myriad X USB Adapter
FPGA	Microsemi SmartFusion2
RAM	2 GB DDR3 ECC
Storage	2 x 128 GB SATA SSD 1 x MicroSD-Card/MMC

I/O INTERFACE

CAN	1 x 2.0b
Graphics	1 x DP/HDMI 1 x LCD/LVDS
Ethernet	3 x 1000Tbase LAN
I2C	2 x
Serial communication	2 x RS232 4 x UART TTL
PCIexpress	1 x 4 lanes v2 (internal)
USB	2 x USB 3.0/2.0 2 x USB 2.0

SOFTWARE SUPPORT

Operating System	Unibap OS (Linux)
Unibap Functions and Applications	Supported

Model Name

iX10 ADS-X/X2

PROCESSING & MEMORY

CPU	AMD Ryzen V1000
GPU	8 x AMD Vega
VPU	Myriad X USB Adapter, and Hailo-8 (iX10 ADS-X2)
RAM	1x64 GB DDR4
Storage	1 x 512 GB SATA SSD

I/O INTERFACE

Graphics	4 x DP/HDMI
Ethernet	2 x Gigabit Ethernet
Serial communication	2 x RS232
USB	2 x USB 3.1 2 x USB 2.0

SOFTWARE SUPPORT

Operating System	Unibap OS (Linux)
Unibap Functions and Applications	Supported