

iX5-iX10 ADS

ix5 & ix10 ADS Unibap provides Application Development Systems (ADS) to enable third party 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 off-the-shelf directly upon order. Hence, you don't need to wait for EMs and FM's – your software team can begin meaningful development from day one.



BUILDING COMMUNITY

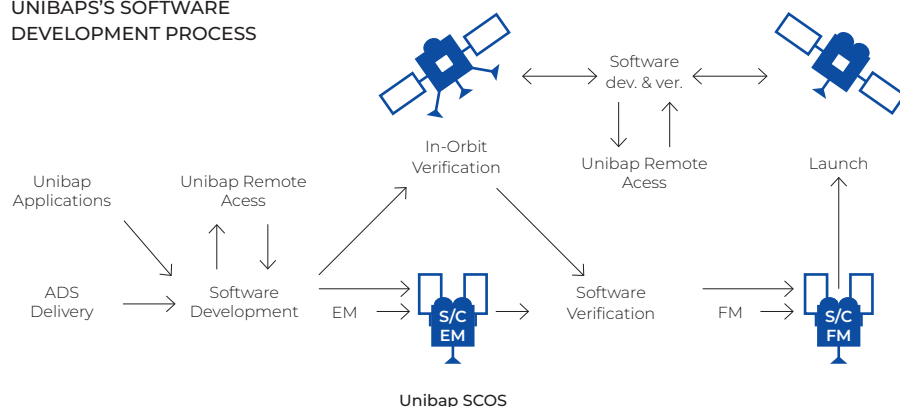
You don't need a satellite to make space software. Unibap supports a community of software developers that create powerful space applications without operating their own flight computers or spacecraft. Thus far, we have helped to test more than 40 applications in space, and supported our community to 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 offers streamlined performance with the same hardware solutions as in our space computers to help you build space software from the bottom up..

UNIBAPS'S SOFTWARE DEVELOPMENT PROCESS



iX5 ADS

Application development system for the iX5 computer family.

ix10 ADS-X2

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

iX5 ADS

Technical specifications

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 and 1 x MicroSD-Card/MMC

I/O INTERFACE

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

SOFTWARE SUPPORT

Operating system	Unibap OS (Linux)
Unibap functions and applications	Supported

PROCESSING & MEMORY iX10 ADS-X2

CPU	AMD Ryzen V1000
GPU	8 x AMD Vega
VPU	Myriad X USB Adapter, and Hailo-8
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 and 2 x USB 2.0

SOFTWARE SUPPORT

Operating system	Unibap OS (Linux)
Unibap functions and applications	Supported

Distribution in the US

MOOG

Distribution in
South Korea and Japan

