Arm Native Development on Ampere®

GPU Accelerated Linux Applications on Ampere® Altra®

Powered by Ampere Altra Family CPUs and Nvidia RTX GPUs, ADLINK has developed a high-performance computing workstation targeting native development for Arm64, 3D modeling and rendering, media processing, and AI training and inferences.

World's Fastest Arm PC with NVIDIA GPU

The world's fastest Arm PC is the Ampere Altra Developer Platform by ADLINK. This quiet water-cooled workstation with 32, 64, 96, 128 core Ampere Altra process and up to 768GB RAM supports NVIDIA RTX GPUs.
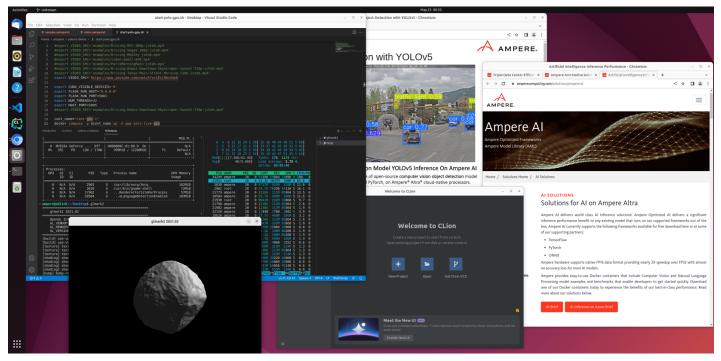
Develop Arm Native 3D Tools, Sims and Games

Develop, test and run demanding Arm64 applications for NVIDIA Jetson, software-defined vehicles, robotics, and 3D modeling and production for movies, TV, games, and simulations.

Setting up Arm Native Desktop with NVIDIA GPU

The major Linux desktop distros support Arm64 and Nvidia GPU drivers. So "Arm Native" development PCs and workstations is straightforward. Here is "how to" with installation scripts.

Key Benefits

- **Developing Arm64 Application Natively:** when applying Arm64 options or optimizations, the results can be tested and verified immediately without transferring to target platform when cross-compiling.
- **GPU Accelerated Desktops:** GPU acceleration is available from OS desktop level for all applications, rendering and/or general computing.
- **Growing Arm Desktop Software Ecosystem:** the popular development tools now support aarch64/arm64. Developing demanding 3D tools, simulations and games is now possible.