AMD
Vitis

A Unified Software Platform to Enable System Design
for Hardware and Software Developers

BOOST PRODUCTIVITY.
ACCELERATE PERFORMANCE.

Design complexity demands are growing across markets. To
meet these demands, system design tools need to empower
hardware and software developers to work together.

The AMD Vitis™ unified software platform enables developers
to build advanced, performance-optimized designs with AMD
adaptive SoCs and FPGAs.

STREAMLINE DEVELOPMENT

AMD
Vitis

DESIGN FAST

Tap into a comprehensive software and hardware design environment
made for AMD adaptive SoCs and FPGAs with tools to design, simulate,
and implement complex systems.

ACCOMPLISH MORE

**Speed up
design cycles**
Quickly optimize
and compile complex designs
that use programmable logic
and AI Engines.

**Jump-start
designs**
Access domain-specific and
commonly used libraries for
programmable logic and AI
Engine-based designs.

**Simplify
complexity**
More easily simulate,
implement, and debug
mixed-domain designs.

WORK SMARTER, ENHANCE DESIGNS

FLEXIBILITY
Design, debug, and
compile your
software code with
Vitis™ Embedded.

PERFORMANCE
Achieve exceptional
performance through
**embedded or data center
acceleration**.

EFFICIENCY
Explore, simulate, and
verify designs with
Vitis™ Model Composer for
the MATLAB® / Simulink®
environment.

PRODUCTIVITY
Get fast design
implementation and
simulation using
**Vitis™ high-level
synthesis**.

BUILT FOR HIGH-PERFORMANCE
AMD ADAPTIVE DEVICES

Adaptive SoCs

AMD ZYNQ 7000   **AMD ZYNQ MPSoC**   **AMD ZYNQ RFSoC**   **AMD VERSAL**

AMD VERSAL AI Core   **AMD VERSAL AI Edge**   **AMD VERSAL Premium***

CAPTURE THE AI ENGINE ADVANTAGE

Improve digital signal processing
performance per watt

Accelerate compute capability

Improve signal processing throughput

FPGAs

AMD SPARTAN   **AMD ARTIX**   **AMD KINTEX**   **AMD VIRTEX**

VITIS™ UNIFIED
SOFTWARE PLATFORM

Develop adaptive system designs fast. Deliver on performance and power.

[Learn More]   [Download Now]

AMD
together we advance_