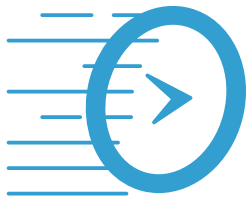# UPGRADE TO XG SERIES FOR UNMATCHED PERFORMANCE

Upgrade your real-time simulation experience with OPAL-RT's XG series. **Our cutting-edge OPAL-RT Linux 3.x 64-bits operating system, is powered by Intel® and AMD's latest technologies.** This powerful combination delivers an unmatched performance, empowering engineers to push the boundaries of development, testing, integration, and validation.

Take advantage of our **limited-time offer for existing customers**: exclusive discount on XG Series upgrades with OPAL-RT's comprehensive support included for a seamless transition and a cutting-edge technology boost.

150% SPEED INCREASE

EXPERIENCE SIMULATIONS UP TO 2.5 TIMES FASTER!

The new XG Series system can efficiently simulate larger and more complex power systems, power electronics, or microgrid models using fewer cores.

Scalable

Increase processing power, flexibility, and scalability. Experience higher accuracy with reduced time steps and benefit from up to 44 cores on a single simulator.

Performant

Experience high-fidelity simulations with exceptional accuracy and speed, advanced parallel processing, and maximum reliability with the latest motherboard and CPU.

Versatile

Seamlessly integrates with power electronics devices, control systems, and communication networks for comprehensive Hardware-in-the-Loop (HIL) and Controller Hardware-In-the-Loop (CHIL) systems.

UPGRADE OPTIONS

OPTION 1: Basic Upgrade Program

Replace the CPU/motherboard while retaining the existing chassis, FPGA, and I/O boards.

OPAL-RT will thoroughly overhaul your system, replacing components that are more likely to fail after years of use, such as the power supply, fan, and SSD. We will also perform comprehensive tests on every I/O board and interface.

Once completed, your system will be fully restored to its original condition and come with a 1-year warranty, providing a refreshed experience.

OPTION 2: Advantage+ Upgrade Program

Upgrade to our new high-performance real-time simulators with a special discount, with no need to return your old system.

OPAL-RT will transfer all RT-LAB or HYPERSIM software licenses to the new platform, ensuring seamless continuity of your work. Enjoy the benefits of a brand-new simulator without any hassle.

The credit amount varies depending on the age of the existing system.

PROTECT YOUR INVESTMENT

The XG hardware upgrade plan is designed to preserve your investment for years. With up to a 2.5x increase in computational power, the XG upgrade enables simulations of larger models or a **reduction of time step.**

Moreover, the upgrade program provides customers **access to the latest RT-LAB & HYPERSIM software updates and new features**, ensuring they can access the most advanced tools and capabilities for their research and testing needs.

PERFORMANCE BENCHMARKS

HYPERSIM:

ARTEMiS:

OPAL-RT is the global leader in PC/FPGA Based Real-Time Digital Simulator, HIL testing equipment, and RCP systems for control and protection systems in power grids, power electronics, motor drives, automotive industry, trains, aircraft, and industries.

Contact us at **opal-rt.com/contact-sales-team/** for system assessment and upgrade recommendations.

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TECHNOLOGIES