

Compatible Hardware

Simulator Platform Comparison Chart



	OP4200	OP4510	OP5707
CPU	ARM7	INTEL XEON E3	INTEL XEON E5
Number of cores	2	4	4, 8, 16, or 32
XILINX FPGA (Standard configuration)	Zync7030 (125T)	Kintex 7 (325T)	Virtex 7 (485T)
SFP optical interference (GTX 5 Gbits/s)	2	4	16
I/O modules with 16 analog or 32 digital signals	4	4	8
Maximum number of I/O channels	128	128	256



Perfect Partnership for Power Electronics and Power System HIL

OPAL-RT has partnered with NI, a global leader in Test, Measurement, and Control Solutions, to expand its real-time simulation offering its customers with even more accessible, cutting-edge, real-time simulation technology.

These eFPGASIM software and eHS solver are compatible with NI hardware.



NI CRIO

CompactRIO is a real-time embedded industrial controller made by National Instruments for industrial control systems.



PXI

PXI is a rugged PC-based platform for measurement and automation systems. PXI combines PCI electrical-bus features with the modular, Eurocard packaging of CompactPCI and then adds specialized synchronization buses and key software features.

HARDWARE LIST:

NI cRIO-9068 / Zynq 7020 - CompactRIO (only for courseware)

NI-PXI-7971 / K7 325T - FlexRIO

NI-PXI-7972 / K7 325T - FlexRIO

NI-PXI-7975 / K7 410T - FlexRIO

NI-PXI-7976 / K7 410T - FlexRIO

NI-PXIe-7858R / K7 325T - R Series

NI-PXIe-7868R / K7 325T - R Series

NI-PXIe-7822R / K7 325T - R Series

NI-cRIO 9034 / K7 325T - CompactRIO

NI-cRIO 9039 / K7 325T - CompactRIO