Mid-end Performance
MT 6060 Simulator NEW

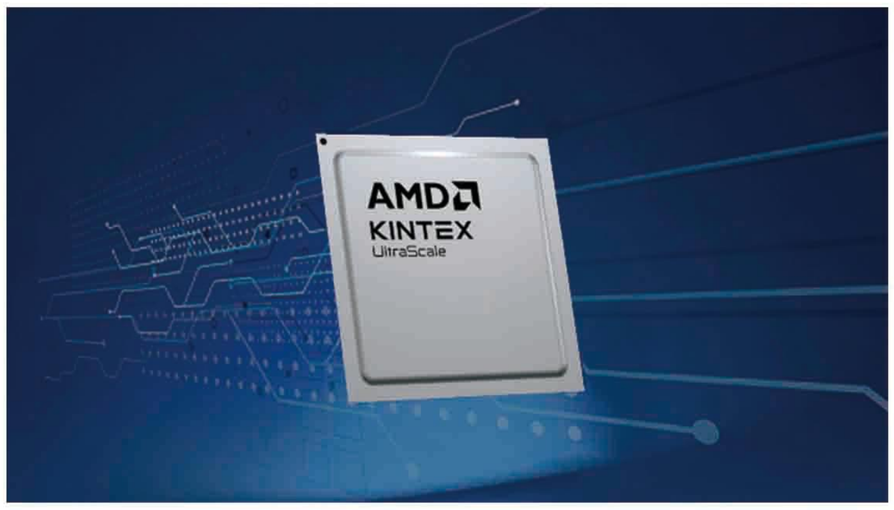
ModelingTech 远宽能源

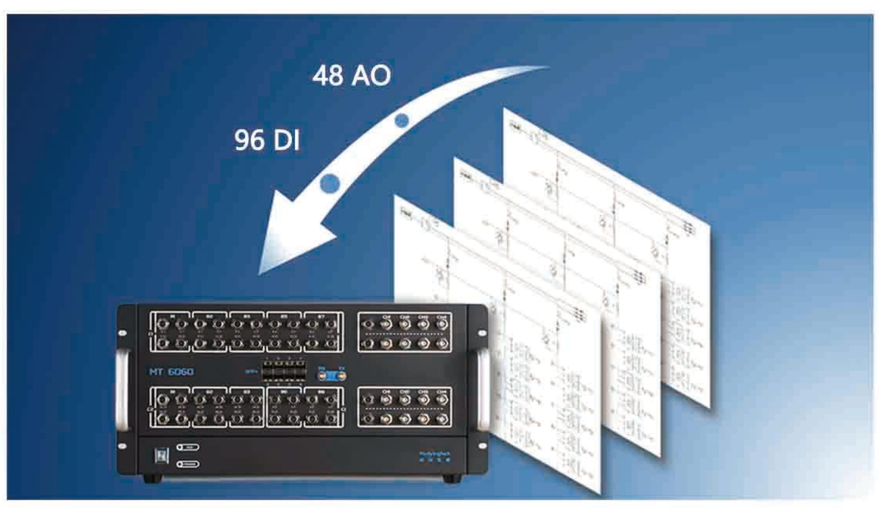
MT 6060 Simulator is an industrial-grade real-time simulator independently developed by ModelingTech. It is equipped with a powerful Intel Xeon CPU and Xilinx UltraScale FPGA. It is the cost-effective choice for users who have simultaneous demand for CPU simulation capability and FPGA simulation capability.

Detailed Highlights

1.Powerful FPGA Simulation Capability

Equipped with the new-generation UltraScale KU115 for high-performance computing in real-time and parallel, it provides safe and efficient testing tools for industrial large-system devices such as multi-inverters and multi-level systems (MMC/SVG/HVC).



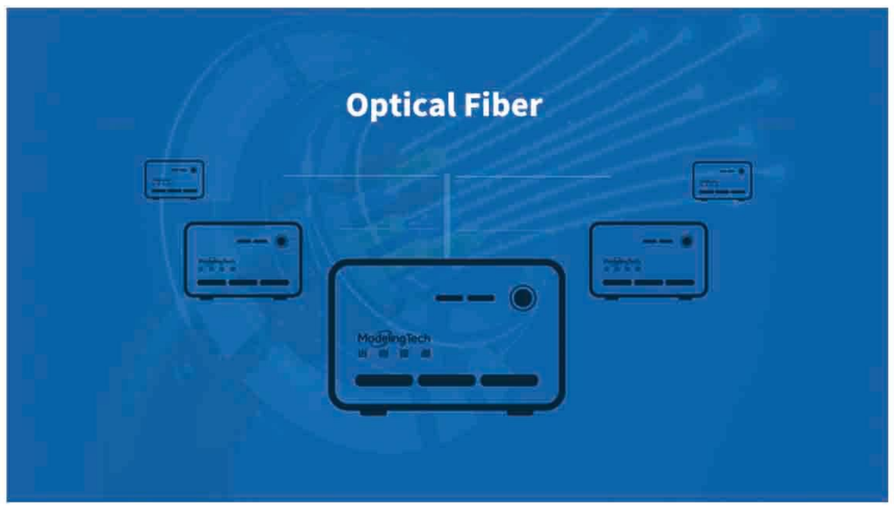


2. Rich configurable IO interfaces

A single device can support 96DI and 48AO, and the number of IO can be configured by the user; thus assisting users in completing the simulation of large-scale power electronic system testing with a single device.

3.Powerful parallel capability via optical fiber

Equipped with 8 SFP+ optical fiber, to meet the higher requirements of equipment manufacturers for large-scale system testing, multi-device cascaded testing.



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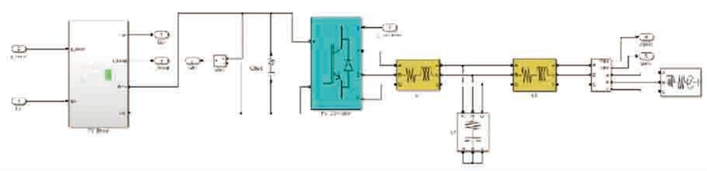
System Schemes

PWM

U/I

HIL

StarSim HIL



StarSim HIL

Controller

Main circuit model

Technical Parameters

Model	MT 6060
Processor	6-Core Intel Xeon, Base Frequency of 3.3GHz
Memory	32GB DDR4 SDRAM
FPGA	1451K System Logic Cells, 75.9Mb Block RAM,5520 DSP Slice
Analog Output	Up to 48 channels, 16bit, 1MSPS, ±10V
Analog Input	16 channels, 16bit, 1MSPS, ±10V
Digital Input	Up to 96 channels, Wide Range of Voltages
Digital Output	32 channels
Communication	Modbus TCP/RTU, CAN, Ethernet TCP/UDP, GOOSE, Serial , 8 SFP+
Dimension	480mm*533mm*235mm(L*W*H)

Application Scenarios

Renewable Energy

Wind Power Converter Testing

PV Inverter Testing

Multiple PCS Testing

Power System& Micro-grid

Microgrid Research

Green Hydrogen Microgrid Simulation

Renewable Energy Farm Simulation

Power Hardware in the Loop Testing

Multi-level System

Modular Multi-level Converter (MMC)

High Voltage Converter(HVC)

Static Var Generation(SVG)

Electrified Transportation

Electric Motor Drive Controller Testing

Traction Motor Testing

ModelingTech Energy Technology Co., Ltd.
www.modeling-tech.com/en/
Tel：(+86) 021-65011357
E-mail：info@modeling-tech.com