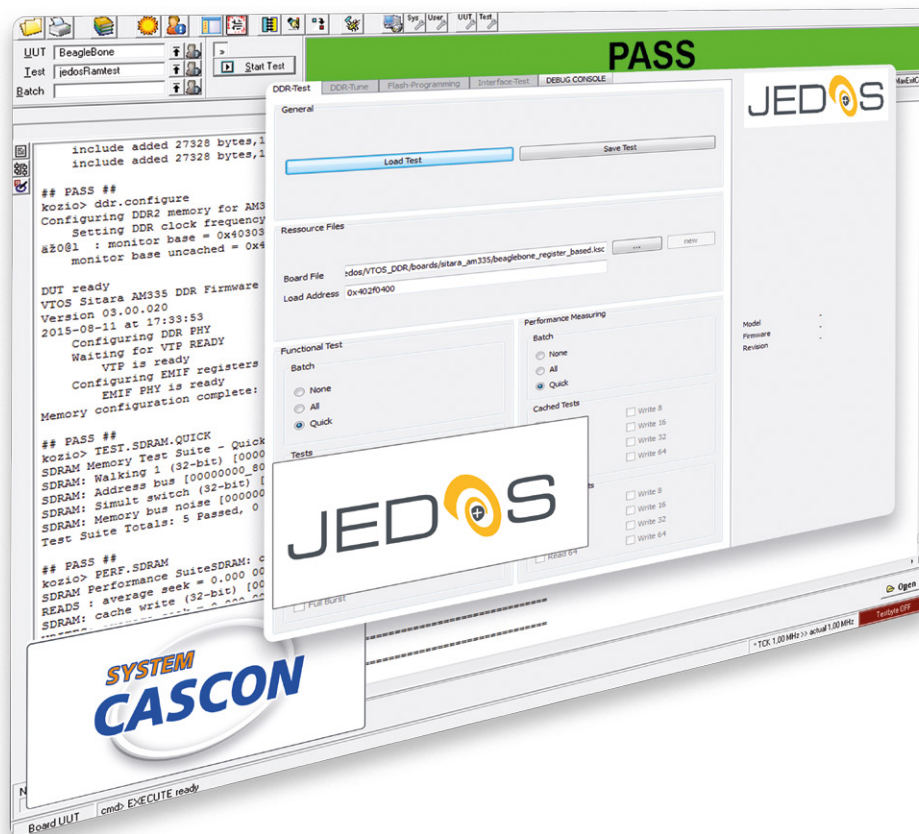




# JEDOS

## Embedded Functional Test, Diagnostics, Calibration and Programming



- JTAG Embedded Diagnostics Operating System
- at-speed/real time functional test with Diagnostics
- high speed In-System Flash Programming
- usable for lab and production
- fully integrated into platform SYSTEM CASCON™ for Embedded System Access (ESA)



## Best test coverage

JEDOS is the next generation Embedded Test and Diagnostics Operating System able to execute functional circuit tests in real time using the native processor to achieve maximum fault coverage for digital, analog and mixed-signal boards and modules and to provide comprehensive failure diagnostics

## Usable for lab and production

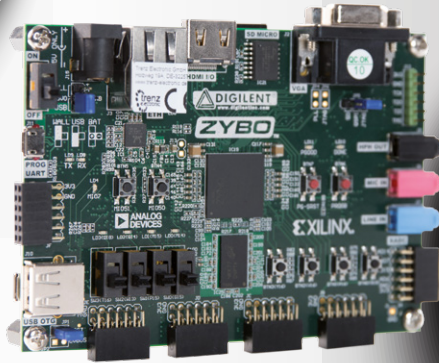
Support for design validation of prototypes and gang applications in production

## Growing list of supported processors

New JEDOS IP's are continuously added to expand the list of supported devices. Beside standard MCU especially multi-core devices and FPGA SoC's are in the focus.

## No extra software development

JEDOS is a fully functional operating system loaded via JTAG and does not require any native target firmware



Example of full application support: XILINX ZYNQ7000

## Easy mix with other test strategies

JEDOS is fully integrated into s/w platform SYSTEM CASCION enabling easy mix with Boundary Scan, Embedded Instruments and other non invasive technologies

Functions	Specification
JEDOS Application Manager	Core module of JEDOS, enables handling of functional IP's, report generation and JTAG control
DDR Test	Functional at-speed/ real time test of DDR devices with selectable algorithms (address test, burst test, noise test, stress test, cell test)
DDR Calibration	Functional Margin Test of DDR I/F with pre-defined parameters for the DDR RAM Controller, or automated search of case optimized parameters
Peripheral I/O Test	Functional at-speed/ real time test of GPIO, UART, PCI, PCIe, Ethernet LAN, USB2.0, USB3.0
Universal Function Test	Load, execution and dynamic control of pre-compiled, JEDOS compliant IP generated by the user or from 3rd party for any kind of functional Test
In-System Device Programming	High speed programming of non-volatile devices like NAND, NOR, SPI, I2C, eMMC, MCU via streaming through communication I/F (USB2.0, USB3.0, LAN) or download from external connected USB Flash memory

Latest information about JEDOS can be obtained from [www.goepel.com/en/jedos](http://www.goepel.com/en/jedos)  
JEDOS is developed in cooperation with company KOZIO, Inc.

 Made in Germany

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