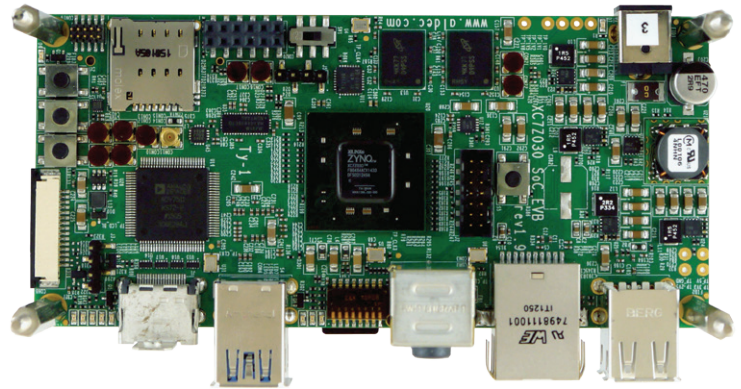


TySOM™ | System-on-Module

TySOM™ System-on-Module

The Ty-1 SOM board from the TySOM™ product line, is a System-on-Module based on Zynq XC7Z030 for FPGA and ARM developers. The development board contains single Xilinx Zynq XC7Z030-1FBG484C, memories (512MB DDR3, uSD), communication interfaces (Ethernet, USB, Pmod, JTAG) and multimedia, and designed as a compact size SoC development platform for various applications including IoT, Multimedia, Automotive and Home Automation. The development board includes technical documentation and reference designs for Linux and peripherals support.



What's Included

- SoC FPGA board
- Technical documentation
- Reference designs

Key Features & Benefits

- **SoC FPGA - Xilinx Zynq XC7Z030-1FBG484C with dual-core Cortex-A9 processor and reprogrammable FPGA logic**
- **Memory**
 - 512 MB DDR3 Memory (2x 256 MB)
 - 128 Mb SPI Flash Memory
 - 64 Kb EEPROM
 - uSD Card Socket
- **Audio&Video**
 - HDMI
 - Audio Codec (Audio IN/OUT)
 - CMOS Camera Connector
 - Touch Panel Connector
 - LCD Connector
- **Interfaces**
 - Ethernet 10/100/1000 Mbit
 - 2x USB 3.0
 - 2x USB 2.0
 - 2x UART Connector
 - miniPCI-Express Connector
 - Digilent Pmod™ Compatible Header
 - JTAG PS Header – MIPI 10-pin ARM JTAG
 - JTAG PL Header – Xilinx JTAG Connector
- **Miscellaneous**
 - 8x User Dip Switch, 8x User LED
 - PL, PS Reset Pushbuttons
 - Real Time Clock/Calendar
 - 1 GTX (MMCX Connectors)
 - XADC
 - Accelerometer
 - Temperature Sensor
 - 4x Clock Oscillators