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xilinx's products are found in a wide range of applications, including consumer electronics, industrial and automotive products, defense, aerospace, semiconductor test and measurement, and life sciences. according to a company report, xilinx product lines include programmable logic devices (plds), field-programmable gate arrays (fpgas), microcontrollers, digital signal processors, embedded processors, mixed-signal systems-on-a-chip (soc), fpga-based socs, and programmable logic solutions.[1] xilinx has introduced the zynq 7000 family of high-performance programmable socs that incorporate arm®-based processors and programmable logic, which are joined on a single die.[18]xilinx is a strong supporter of open source software in hardware (soh) and is committed to releasing its software to the public domain, so that anyone can freely copy, modify and re-distribute it as they wish. the company's zynq family of programmable socs is based on the xilinx® zynq™ 7010 all programmable soc. the zynq 7000 family includes the zynq 7000, zynq 7000-a, zynq 7000-b, and zynq 7000-r, which can be used in a wide range of applications from consumer electronics to the automotive, industrial and aerospace markets. zynq 7000 incorporates the programmable xilinx® zynq® 7000 all programmable soc, which is a single-chip solution that combines a dual-core arm® cortex-a9 processor with programmable logic devices (plds). xilinx announced the release of the zynq-7000 family of programmable socs in november 2010. the zynq-7000 family features a dual-core arm cortex-a9 processor and programmable logic, which are joined on a single die. the zynq-7000 socs enable manufacturers to develop a wide range of products from consumer electronics to automotive, industrial and aerospace markets.the zynq-7000 family includes the zynq 7000, zynq 7000-a, zynq 7000-b, and zynq 7000-r, which can be used in a wide range of applications from consumer electronics to the automotive, industrial and aerospace markets. zynq 7000 incorporates the programmable xilinx zynq 7000 all programmable soc, which is a single-chip solution that combines a dual-core arm cortex-a9 processor with programmable logic devices (plds).[18] the zynq 7000 family includes the zynq 7000, zynq 7000-a, zynq 7000-b, and zynq 7000-r, which can be used in a wide range of applications from consumer electronics to the automotive, industrial and aerospace markets.

#### Xilinx Ise Design Suite 14.5 Cracked

in october 2010, the company introduced the first of a new line of programmable socs, called xilinx zynq, that combine a small arm processor core with an fpga. the zynq processor cores include two processing elements, a dsp, and an arm cortex-m4 core, with the fpga being the largest, containing 8.5 million logic elements. the zynq-7000 soc family consists of two models, the zynq-7020 dual-core (4x200 mhz arm/2x150 mhz dsp) and the zynq-7010 quad-core (4x200 mhz arm/4x150 mhz dsp) that offer high performance with increased programmability. the zynq-7000 socs are in use in leading applications in industrial, automotive, and medical systems. the zynq-7000 soc family is designed to provide the fpga with programmable glue logic to perform fast data conversion, communication, and motor control functions, as well as to provide the arm processor with a flexible instruction set, including hardware accelerators and digital signal processing routines.[71] xilinx published the zynq-7000 in august 2011 and has begun shipping products to customers. in the first quarter of 2012, xilinx shipped a total of 26,400 socs to customers, representing a 118 percent increase over the first quarter of 2011. xilinx has also begun shipping two new zynq-7000 models, the zynq-7010 (quad-core) and zynq-7100 (octa-core) socs, in addition to the zynq-7020 and zynq-7010 models that are now shipping. in october 2012, xilinx announced a new product line for low-cost socs with a maximum clock rate of 50 mhz, known as zynq ultrascale+ (zus), designed for multiple applications including automotive, industrial, home automation, and mobile products.[72] the zus series, based on arm cortex-m0 cores, will be available in two sizes, a 20-mhz version and a 50-mhz version, and will support up to 32 kb of ram and 48 kb of flash memory, in addition to the zynq-7000 series products. the new zus products will be the first xilinx products to be manufactured on a new 28 nm process node. the xilinx zus line will be available in the second half of 2012. in december 2012, xilinx launched the zynq ultrascale+ mp soc (multi-processor system on chip), a new product line designed for embedded solutions that combines a cpu core, an fpga fabric, and a high-speed memory controller on a single chip. the zynq ultrascale+ mp soc supports general-purpose and embedded systems with eight arm cortex-m0 cores operating at up to 200 mhz, and up to 512 kb of ram and 64 kb of flash memory. the zynq ultrascale+ mp soc is available in a 40-mhz version with 512 kb of ram and 64 kb of flash memory, and a 100-mhz version with 1 mb of ram and 128 kb of flash memory. in january 2013, xilinx announced the zynq ultrascale+ mp soc es platform, which includes an fpga with several thousand logic elements, and a dual-core arm cortex-m0 processor operating at 200 mhz with 512 kb of ram and 64 kb of flash memory. 5ec8ef588b

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