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prototyping and power measurement. Industrial networking protocols.Cyclone® V SoC Development Kit and Intel® SoC FPGA ...Cyclone® V SoC FPGAs offers a powerful dual-core ARM* Cortex*-A9 MPCore* processor surrounded by a rich set of peripherals and a hardened memory controller. The FPGA fabric, with up to 110K LEs (logic elements), is connected to the hard processor system (HPS) through a high-speed >100 Gbps interconnect backbone.Cyclone® V SoC FPGAs- Intel® SoC FPGAIntel provides several development kits that feature Cyclone® FPGAs and SoCs. These kits provide a complete design environment that includes all the hardware and software that you need to develop full FPGA designs and test them within a system environment. View all Cyclone® V development kitsCyclone® V FPGA - Intel® FPGACyclone V SoC FPGA Development Kit Board 1. Project Drawing Numbers: Raw PCB Gerber Files PCB Design Files Assembly Drawing Fab Drawing Schematic Drawing PCB Film Bill of Materials Schematic Design Files

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 provides a hardware
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 and prototyping low-
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 designs using Altera's
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 Kit for New SoC Device
 The SoCKit Development
 Kit presents a robust
 hardware design platform
 built around the Altera
 Cyclone V System-on-Chip
 (SoC) FPGA, which
 combines the latest
 Cortex-A9 embedded
 cores with industry-
 leading programmable
 logic for ultimate design
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 Device • Cyclone V SoC
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 Dual-core ARM Cortex-A9
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 associated development
 kits have a
 comprehensive operating
 system ecosystem
 support as listed below: -
 Linux is the most common
 general-purpose
 operating system used on
 ARM-based SoCs. The
 Cyclone V SoC is no
 different, with
 comprehensive support
 offered by both Altera and
 a large user
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 Cyclone V SoC is a new SoC tightly coupling with Dual-core ARM Cortex-A9 and FPGA fabric, enabling easy development of complex systems with advanced application processing and flexible hardware using FPGA.
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 The Intel SoC FPGA Embedded Development Suite Standard Edition, Version 20.1 includes functional and security updates.

Users should keep their software up-to-date and follow the technical recommendations to help improve security. Additional security updates are planned and will be provided as they become available.
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 The Cyclone V SoC development board provides a hardware platform for developing and prototyping low-power, high-performance, and logic-intensive designs using Altera's Cyclone V SoC. The board provides a wide range of peripherals and memory interfaces to facilitate the development of Cyclone V SoC designs.
Getting Started with the Cyclone V SoC Development Kit ...
 Intel Cyclone ® V 28nm FPGAs provide the industry's lowest system

cost and power, along with performance levels that make the device family ideal for differentiating your high-volume applications. You'll get up to 40 percent lower total power compared with the previous generation, efficient logic integration capabilities, integrated transceiver variants, and SoC FPGA variants with an ARM ...
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 The Cyclone V SoC and its associated development kits have a comprehensive operating system ecosystem support as listed below: - Linux is the most common general-purpose operating system used on ARM-based SoCs. The Cyclone V SoC is no different, with comprehensive support offered by both Altera and a large user community.
Cyclone V SoC FPGA

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logic for ultimate design flexibility.

Cyclone V SoC FPGA Development Kits Enable Software Design ...

Cyclone V SoC is a new SoC tightly coupling with Dual-core ARM Cortex-A9 and FPGA fabric, enabling easy development of complex systems with advanced application processing and flexible hardware using FPGA.

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Intel provides several development kits that feature Cyclone® FPGAs and SoCs. These kits provide a complete design environment that includes all the hardware and software that you need to develop full FPGA designs and test them within a system environment. View all Cyclone® V development kits [Cyclone® V SoC FPGAs- Intel® SoC FPGA](#)

The Cyclone ® V SoC Development Kit offers a quick and simple approach to develop custom ARM * processor-based SoC designs accompanied by Intel's low-power, low-cost Cyclone V FPGA fabric. This kit supports a wide range of functions, such as: Processor and FPGA

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