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ATMEL Corporation is a worldwide leader in the design and manufacture of microcontrollers, capacitive touch solutions, advanced logic, mixed-signal, nonvolatile memory and radio frequency (RF) components. Leveraging one of the industry's broadest intellectual property (IP) technology portfolios, Atmel® is able to provide the electronics industry with complete system solutions.

ATMEL Corporation je světovým lídrem v návrhu a výrobě mikrokontrolérů, kapacitních dotykových řešení, pokročilých logických, mixed-signal, paměťových a vysokofrekvenčních (HF) komponentů. Díky širokému portfoliu technologického intelektuálního vlastnictví (IP) je Atmel schopen poskytovat kompletní systémová řešení.

ATMEL Corporation ist ein weltweit führendes Unternehmen in der Konzeption und Herstellung von Mikrocontrollern, kapazitiven Berührungslösungen, fortschrittlichen Logik-, Mixed-Signal-, Speicher-und Hochfrequenz-(HF-)Komponenten. Dank dem breiten Portfolio von technologischem geistigem Eigentum (IP) kann Atmel komplette Systemlösungen anbieten.

Az ATMEL Corporation a világ vezető mikrokontroller, kapacitív érintőfelület, haladó logikai, vegyes jelű, memória és magas frekvenciás (HF) modul gyártója. A széles intellektuális technológiai tulajdon (IP) portfóliójának köszönhetően az Atmel teljes körű rendszerszintű megoldásokat képes szolgáltatni.

ATMEL Corporation jest światowym liderem w rozwoju i produkcji mikrokontrolerów, dotykowych rozwiązań pojemnościowych, zaawansowanych układów logicznych, mieszany-sygnałowych, pamięciowych oraz wysokoczęstotliwościowych (HF). Dzięki szerokiej gamie technologicznej własności intelektualnej (IP), Atmel zdolny jest zaoferować kompletne rozwiązania systemowe.

ATMEL Corporation este un lider global în proiectarea și producția de micro-controllere, soluții capacitive tactile, componente de logistică avansată, de micro-semnale, de memorie nonvolatilă și frecvență radio (HF). Valorificând unul din cele mai vaste portofolii de tehnologie în proprietatea intelectuală, Atmel® furnizează industriei electronice soluții complete de sistem.

ATMEL Corporation je svetovým lídrom v návrhu a výrobe mikrokontrolérov, kapacitných dotykových riešení, pokročilých logických, mixed-signal, pamäťových a vysokofrekvenčných (HF) komponentov. Vďaka širokému portfóliu technologického intelektuálneho vlastníctva (IP), je Atmel schopný poskytovať kompletné systémové riešenia.

Atmel® AVR® 8- and 32-bit microcontrollers deliver a unique combination of performance, power efficiency, and design flexibility. Optimized to speed time to market, they are based on the industry's most code-efficient architecture for C and assembly programming. No other microcontrollers deliver more computing performance with better power efficiency. Industry-leading development tools and design support let you get to market faster. Once there, the large AVR family lets you reuse your knowledge when improving your products and expanding to new markets—easily and cost-effectively.

? Why ATMEL?

- Atmel microcontrollers feature a unique combination of performance, power efficiency, and design flexibility
- wide range of development tools and extensive design support
- huge amount of example source codes freely available

8051 Architecture

Atmel offers a broad range of microcontrollers based on the 8051 architecture ranging in code density from 2K bytes to 128K bytes. The product line includes 8-bit microcontrollers based on the powerful, low-power Single-Cycle AT89LP core as well as MCS-51® industry standard socket drop-in devices and small footprint 14/16/20/28-pin derivatives, all manufactured in advanced Flash technologies. Most members in this product line include ISP (In-System Programming) capability, while some also support the high-speed (X2) mode which doubles the internal clock frequency for CPU and peripherals upon user selection.

AT89C2051, AT89C4051, AT89C5x, AT89LPx, AT89Sx,...

AVR32 32-bit MCU

Atmel has created the first processor architected specifically for 21st century applications that require both performance and low power consumption. The AVR32 32-bit RISC processor core is designed to do more processing per clock cycle so the same throughput can be achieved at a lower clock frequency with substantially less power consumption.

The Harvard architecture and multiple high-speed system buses guarantee exceptional processing performance. Both UC3 and AP7 subfamilies are supported by Atmel's large range of development tools, and the free AVR32 Studio makes it easy to start developing C/C++ code.

AT91M, AT91F, AT91R

AVR® 8-Bit RISC

Atmel's low power, high performance AVR microcontrollers handle demanding 8- and 16-bit applications. With a single cycle instruction RISC CPU, innovative picoPower® technology, and a rich feature set, the AVR architecture ensures fast code execution combined with the lowest possible power consumption. Whether you program in C or assembly, the tuned AVR instructions decrease program size and development time. A variety of internal oscillators, timers, UARTs, SPIs, Pulse Width Modulation, pull-up resistors, ADCs, Analog Comparators and Watch-Dog Timers are some of the features available for creative engineers.

ATmega8, ATmega16, ATmega32, ATmega128, ATmega162, ATmega 168,...

AT91SAM 32-bit ARM

Atmel's AT91SAM 32-bit ARM Flash MCUs and Embedded MPUs are designed for system control, wired & wireless connectivity, user interface management, low power and ease of use. They have received wide acceptance in markets like POS terminals, security, building automation, industrial control, medical, white goods, PC and gaming peripherals, toys and cellular phone accessories. A comprehensive and high-quality eco-system provides access to development tools, Flash programming, software and worldwide technical support.

SAM7, SAM9