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the intel mcs 51 commonly termed 8051 is a single chip microcontroller mcu series developed by intel in 1980 for use in embedded systems

Jul 15 2025 the 8051 microcontroller is a great option for a variety of applications ranging from straightforward embedded projects to intricate industrial automation systems thanks to these qualities

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8051 architecture diagram all 8051 microcontrollers have unique architecture as shown in the figure which consists of functional blocks to build 8051 powerful controlling machines

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