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home internet of things networking definition microcontroller mcu by ben lutkevich site editor a microcontroller is a compact integrated circuit designed to govern a specific operation in an embedded system a typical microcontroller includes a processor memory and input output i o peripherals on a single chip

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embedded systems in robotics are the framework that allows electro mechanical systems to be implemented into modern machines the key aspects of this framework are c programming in embedded controllers circuits for interfacing microcontrollers with sensors and actuators and proper filtering and control of those hardware components

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microprocessors and microcontrollers are the hardware of embedded systems typically they include a central processing unit cpu connected to other basic computing devices such as memory chips power supplies and lcd displays

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