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A Design of an RFID Based Microcontroller Integrating Real Time Media Auto-Stream For Vehicle Packing

Microcontrollers control the actions and features of a product. They are embedded controllers inside devices. Microcontroller based devices are dedicated to a single task that run one specific program at a time. It integrates with advanced peripherals like a graphics processing unit (GPU), a Wi-Fi module, or one or more coprocessors. A number of devices currently are taking advantage of minimal requirements for memory and program length, with no operating system, and low software complexity. Typical input and output devices include switches, relays, solenoids, LED's, small or custom liquid-crystal displays, radio frequency devices, and sensors for data such as temperature, humidity and light levels. In our discussion we are coming up with an architectural design of an RFID based microcontroller for car packing. The design is created using a Qemu system running Raspbian on Windows 10.Specifically focusing on how the components that relay data interface with each other. While discussing standard definitions, challenges, and benefits of this microcontroller based technologies, as well as some interesting players in this space.

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