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(57) Abstract :
Embedded systems are classified as a type of system that is composed of software and hardware components that are used to perform specific tasks. Embedded systems can be used in various fields such as industries, agricultural equipment, medical devices and automobile industry and many more. Embedded systems can be used to perform a single task or more than one task at the same time. The design of an embedded system involves many components. The components used are software components and hardware components. Free Trial: Launch your IoT application on the market in less than 30 days with Ubidots Drag-n-Drop IoT Dashboard.

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Abstract:

Embedded systems are classified as a type of system that is composed of software and hardware components that are used to perform specific tasks. Embedded sys used in various fields such as industries, agricultural equipment, medical devices and automobile industry and many more. Embedded systems can be used to perfo task or more than one task at the same time. The design of an embedded system involves many components. The components used are software components and h components. Free Trial: Launch your IoT application on the market in less than 30 days with Ubidots Drag-n-Drop IoT Dashboard.

Complete Specification

Description:FIELD OF THE INVENTION
This invention represents the field of computer science.
SUMMARY OF THE INVENTION
The embedded system is classified as a type of system that is made up of software and hardware components that is used for performing specific functions. The embedded systems can be used in various sectors like industries, agricultural devices, medical devices and automobiles industry, and many more sectors.
The embedded system can be used to perform a single task or more than one task at the same time. There are multiple components involved in the design of an embedded system. The components used are software components and hardware components.
IoT OS are embedded operating systems designed to perform under the constraints of limited memory and processing power of small IoT devices. Many of these O open source and are fully supported by development communities and online tutorials.
The operating systems that control IoT devices are not nearly the same as typical desktop or server OSes such as Windows and Mac OS, they are specifically designe work reliably based on the requirements of the IoT use case: cellular connectivity , mobility, interoperability, and more.
Free Trial: Launch your IoT app on the market in less than 30 days with Ubidots Drag-n-Drop IoT Dashboard
At the heart of all IoT devices are the operating systems that make all these things possible: Contiki, FreeRTOS, even "embedded" Linux; A version of Linux that can embedded directly on smaller chips. Unfortunately though, there is no real standard as to which OS to use in IoT. That's why we have made this list to make things

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