Table

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**Features of Microcontroller**

* Processor reset
* Program and Variable Memory (RAM) I/O pins
* Device clocking central processor
* Instruction cycle timers

**Features of Microprocessor**

* Offers built-in monitor/debugger program with interrupt capability
* Large number of instructions each carrying out a different variation of the same operation
* Offers Parallel I/O
* Instruction cycle timer
* External memory interface

**Applications of Microprocessor**

* Calculators
* Accounting system
* Games machine
* Complex industrial controllers
* Traffic light
* Control data
* Military applications
* Defense systems
* Computation systems

**Applications of Microcontroller**

* Mobile phones
* Automobiles
* CD/DVD players
* Washing machines
* Cameras
* Security alarms
* Keyboard controllers
* Microwave oven
* Watches
* Mp3 players

Text

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**Edge AI Controller**

-AI algorithms locally on a hardware device using edge computing where the AI algorithms are based on the data that are created on the device without requiring any connection. This allows you to process data with the device in less than a few milliseconds which gives you real-time information

**Advantages**

1. **Reduced cost**

* costs for data communication and bandwidth costs will be reduced as fewer data will be transmitted

1. **More secure**

* Privacy is secure since the data is being processed locally without sending it into server

1. **Highly responsive**
2. **Easy To manage**

* Data and insights are either automatically delivered to where they need to be or visible on the spot using highly graphical interfaces or dashboards.

**Examples**

**A picture containing text, different

Description automatically generatedA picture containing graphical user interface

Description automatically generatedA picture containing text, electronics

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