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CTEC 415

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Summary of IOT

The Internet of Things is a network-connected system of interconnected objects that exchange data without requiring human-to-machine contact. In other terms, IoT is a network of electrical devices that can communicate with one another. Smart factories, smart homes, medical monitoring devices, wearable fitness trackers, smart city infrastructures, and vehicle telematics are some examples. As stated below, potential challenges for Congress include legislation, digital privacy, and data security. IoT devices are sometimes referred to as "smart" gadgets because they contain sensors and can-do extensive data analyses.

IoT devices employ sensors to gather data and then provide services to the user depending on data analysis and user-defined criteria. IoT devices connect to the internet in one of two ways: directly, through another IoT device, or both. Network connections are used to exchange data and engage with other users. By combining software applications, the Internet of Things establishes links and connections between physical objects. IoT devices allow users to view information or operate equipment from anywhere by connecting to the internet.

**Resource**

Figliola, P. M. (2020, February 12). The Internet of Things (IoT): An Overview. Congressional Research Service.