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what exactly is a smart sensor? Well, it's a fairly broad sweeping term used to describe a component embedded into a device whose job it is to detect one or more predetermined aspects of the local environment and send the data via a built-in means of communication to some centralized

platform such as the cloud.

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Smart sensors are built as IoT components that convert the real-world variable that they're measuring into a digital data stream for transmission to a gateway. Figure 1 shows how they do this. The application algorithms are performed by a built-in microprocessor unit (MPU). These can run filtering, compensation, and any other process-specific signal conditioning tasks. Figure 1. Smart sensor building blocks.

Smart Sensor Technology for the IoT - Tech Briefs

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