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## R

- **Relay**: A control device that auto-executes the opening and closing of the electric circuit according to changes in the current, voltage, frequency, etc. of another electric circuit.
- **Reset**: The act of restoring the settings of hardware, software, etc. to the specified default values.
- **REST (Representational State Transfer)**: REST is an architectural style for distributed systems such as Web. REST interfaces with external systems using HTTP URI, and communicate with HTTP verbs (GET, POST, PUT, DELETE and etc).
- **Restart**: The act of switching off and on by force due to an error related to program execution during device operation.
- **RF(Radio Frequency)**: The frequency used to recognize information at close range or from a distance.
- **RFID**: Short for Radio-Frequency Identification, this is a technology whereby IDs are recognized using **RF(Radio Frequency)**. This technology allows you to store information in an **RFID Tag** composed of an antenna and a chip and identify information by reading it with an RFID reader.
- **RFID Tag**: An electronic tag attached to an object such as a card in order to store the unique identification information of a person or object. An RFID reader wirelessly recognizes the information stored in an RFID tag using radio waves. An RFID tag generally consists of a small processor, a memory, a small antenna, a battery, and so on. RFID tags are divided into various types depending on their capability to read/write, the presence of a built-in battery, and the **RF(Radio Frequency)** band, etc.
- **Ridge**: A ridge is a curve that represents a fingerprint, consisting of a continuous curve, an end point where the ridge is cut midway through, and a **bifurcation** where two ridges meet, which are called **minutiae**.
- **RS-485**: A standard protocol for serial communication that supports home networking. RS-232 has a low transfer rate and a short transmission range while RS485 enables all devices to transmit/receive data on the same line.

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