Human Interaction

Enhanced user experience with intuitive on-device controls and seamless mobile access, enabling efficient remote

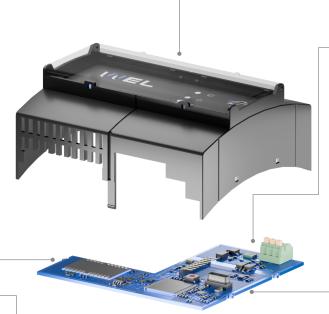## Wireless Communication

Technologies: Wi-Fi 6, BLE 5, Zigbee

Industry-leading RF performance, with reliable security features and multiple memory resources for IoT products.

Standards allow working with high efficiency and low latency, even in congested wireless environments.

High efficiency, low power consumption, and extended range, thus ensuring interoperability in a variety of cases of application development.

Building automation standards

Technologies: DALI, KNX, BACnet

Independent networking solution ensuring interoperability among devices for diverse building automation applications.

Multiple devices and systems connection to implement sophisticated energy management, occupant comfort, and building security applications.

Compatibility with IT infrastructure ensures scalability, interoperability, and streamlines amaintenance.

Long Range Wired Communication

Technologies: Lora, GFSK

Unlicensed radio frequency bands within long-range capabilities reaching up to 15 km in rural areas.

Low power consumption enables the development of
applications where the battery life of up to 10 years.

Allows to connect a large number of devices to a single network, enabling a scalable and flexible network for different IoT application.

Security

Hardware-based Digital Signature Peripheral and a dedicated Key Manager for secure key storage and deployment.

Authentication and data management protection for local or remote hosts against logical and physical attack.

Trusted Execution Environment (TEE), with an Access Permission Management (APM) hardware block and Physical Memory Protection (PMP), enhances flexibility of application security management.

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Industrial communication protocol

Technologies: RS-485

Widely supported by a variety of devices and software systems, ensuring integration with many devices from different manufactures.

Allows for communication over longer distances and provides higher noise immunity.

Supports communication with multiple devices on the same bus allowing a daisy-chain arrangement without the need for repeaters.

Compliance DIN Rail Mounting

Compact design, optimized for space efficiency in control cabinets with existing devices, maximizing available space for additional components.

Support for Custom BUS Interface

Enables automatic device to device contact, allowing flexible and modular system for data and energy trasmission.