GLOSSARY OF TECHNICAL TERMS

This glossary of technical terms contains explanations of certain technical terms used in this document in connection with our Company and our business. Such terminology and meanings may not correspond to standard industry meanings or usages of those terms.

"AI"	artificial intelligence
"API"	application programming interface, which defines how applications communicate by exposing device functions, telemetry and control via standardized requests and responses
"Apple Home"	Apple's smart home framework for onboarding, secure control, automation and Siri integration within the Apple ecosystem
"BACnet"	Building Automation and Control Network, a global data communications standard for building automation and control networks
"Bluetooth"	short range wireless standard for device connectivity and data exchange, enabling low-power devices
"Bluetooth Mesh"	a many-to-many networking standard based on Bluetooth low energy that enables lighting and automation systems.
"dB"	decibel, a unit used to measure sound intensity
"DIN rail"	standardized metal rail for mounting equipment in panels, enabling modular installation of power supplies, PLCs and hubs
"GHz"	gigahertz, which equals one billion cycles per second
"GNN"	graph neural network, which are specialized artificial neural networks that are designed for tasks whose inputs are graphs
"HVAC"	heating, ventilation and air conditioning systems
"Hub"	central device capable of making autonomous judgments and decisions based on the living space environment and user behavior to achieve cross-device collaboration and smart scene linkage
"Human-centric space"	residential and commercial spaces
"Human-centric spatial intelligence"	AI-driven technologies that sense, understand and act to deliver proactive, context-aware, autonomous interactions within residential and commercial spaces
"Human-centric spatial intelligence infrastructure"	the integrated stack of sensors, hubs and controllers that serves as the foundational platform for human-centric spatial intelligence
"IoT"	Internet of Things

"IPS displays"	in plane switching LCD panels offering wide viewing angles and accurate color and used in control panels and smart displays
"IR"	infrared encompasses electromagnetic radiation used for remote controls, presence detection, thermal imaging and short-range data links
"KNX"	a global standardized communications protocol for building automation and control systems, used to control various functions in buildings such as lighting, heating, ventilation, and security
"KNX-IP"	a communication technology that enables data transfer between KNX devices through standard Ethernet or IP networks rather than dedicated twisted-pair wiring
"LAN"	local area network interconnecting devices within a site for high speed, low latency communication
"LED"	light emitting diode, which is an efficient solid state light source used for indicators, displays and illumination in smart lighting
"Matter"	an IP-based smart home interoperability standard enabling secure, local and cloud optional control across ecosystems and vendors
"MB"	megabytes
"MCP"	the Model Context Protocol, an open-source protocol developed by Anthropic, aims to integrate large language models with external data sources and tools, establishing secure bidirectional connections between large models and data sources. This protocol handles both local resources (such as databases, files, and services) and remote resources (such as APIs for platforms like Slack or GitHub) through a unified interface
"MHz"	megahertz, which equals one million cycles per second
"Modbus"	a serial communication protocol published by Modicon® in 1979, used for transmitting information over serial lines between electronic devices
"MQTT"	an OASIS standard messaging protocol for the Internet of Things (IoT), designed as an extremely lightweight publish/subscribe messaging transport that is ideal for connecting remote devices with a small code footprint and minimal network bandwidth

"NFC"	near field communication providing very short-range wireless for pairing, provisioning, access control and payments using passive or active tags
"NPU"	neural processing unit, a specialized accelerator for AI inference, improving performance and efficiency OPC on edge devices
"ODM"	original design manufacturer, which designs and manufactures products for branding and sale by another company
"OEM"	original equipment manufacturer, which produces parts and equipment that may be marketed by another company
"OPC"	an interoperability standard for the secure and reliable exchange of data in the industrial automation space and in other industries
"OPC UA"	OPC Unified Architecture, a platform independent service-oriented architecture that integrates all the functionality of the individual OPC Classic specifications into one extensible framework
"OpenVINO"	an open-source software toolkit for optimizing and deploying deep learning models, enabling programmers to develop scalable and efficient AI solutions with relatively few lines of code
"PLC"	Programmable Logic Controllers, a computing device that is used to monitor and control the operation of machines and equipment used in utilities and industry
"PPO"	proximal policy optimization, a reinforcement learning algorithm balancing exploration and stability used for control and robotics
"RGB"	an additive color model in which the red, green and blue primary colors of light are added together in various ways to reproduce a broad array of colors
"RL policies"	reinforcement learning policies, which are learned mappings from observations to actions for autonomous device control
"SDK"	software development kit, which is a comprehensive toolkit that provides developers with necessary tools
"TensorFlow Lite"	an open-source framework for running machine learning models on edge devices such mobile phones, embedded systems and microcontrollers

"Thread"	low power, IP based mesh networking protocol for reliable, secure device to device communication
"TX/RX mechanisms"	Transmit/receive mechanisms including modulation, coding and antenna schemes governing wireless link performance
"UI"	user interface by which the user and a system interact
"Wi-Fi"	a wireless networking technology that allows devices such as computers, mobile devices, and other equipment to interface with the Internet
"Zigbee"	a wireless standard for energy-efficient home automation networks, enables wireless, energy-efficient communication between devices in smart homes