



Make Enterprise Material Management Simpler, Smarter, and More Efficient



Guangzhou Zebra Information Technology Co., Ltd.

Label Smart Control Gateway

Model: ZSL-PT20

Version: V3.0

Date: June 02, 2026

Product Image



Product Overview

With the widespread application of IoT, Bluetooth gateway-controlled Bluetooth label sound and light scenarios are increasing. Especially in item searching, warehouse item searching, pharmacy item searching, and laboratory sample searching applications, the large number of Bluetooth labels creates conflicts and slow searching issues, which can no longer meet application needs. More and more scenarios require fast control of large numbers of Bluetooth label sound and light.

The ZSL-PT20 Label Smart Control Gateway supports network connection via RJ45 Ethernet port or WiFi for data transmission. Power supply supports external power (9-24V input) or POE. The gateway communicates with 2.4G labels using our proprietary 2.4G encrypted protocol, ensuring excellent security.



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Key Features

- RJ45 Ethernet port or WiFi for data transmission
- Power supply: external power (9-24V) or POE
- Proprietary 2.4G encrypted protocol for secure communication
- Indicator lights: Red (power), Blue (2.4G wireless), Red flashing (device operation)

Technical Specifications

Item	Specification
Name/Model	Label Smart Control Gateway / ZSL-PT20
Dimensions	170 × 170 × 22mm
Net Weight	Approximately 238.6g
Color	White
Housing Material	ABS
Wired Interface	RJ45 Ethernet Port
Wireless Interface	WiFi
Cloud Protocol	Alibaba Cloud IoT Protocol / MQTT Protocol
2.4G Wireless Protocol	AES Encrypted Private Protocol
2.4G Communication Range	20-50m (depending on environment)
External Power	9-24V, 100mA@9V
POE Power	20mA@48V
Working Current	100mA@9V
Mounting Method	Ceiling Mount
Operating Temperature	-20℃ ~ 60℃
Storage Temperature	0℃ ~ 45℃
Operating Humidity	10% ~ 90%

Notes

For safe and effective use of this product, please read the following before use.

- Non-professionals are strictly prohibited from disassembling the enclosure to prevent product damage.
- This product contains batteries. Do not dispose of in fire or use in explosive environments to prevent battery explosion.