dahua TECHNOLOGY

DHI-ESL-AP-A
Electronic Shelf Label AP Station

- Strong extensibility, one AP station can manage up to 5,000 shelf labels.
- One AP station covers an indoor area of up to 700 square meters.
- Plug and play.
- AES 128-bit encryption technology, which highly protects information security.
- Shelf labels automatically search compatible AP stations.
- Supports various IoT protocols.
- Bluetooth / Wi-Fi dual mode indoor wireless base station.

Introduction

The Electronic Shelf Label(ESL) AP Station is an ESL transmission system equipment. And a single AP station can manage up to 5,000 shelf labels, which has more stable performance with multi-AP load balancing. It has the advantages of plug and play, AP station automatic network access, cloud automatic activation, shelf label automatic access, more convenient bluetooth management and impeccable protection for information and privacy security.

Features

Superior Extensibility
A single AP station can manage up to 5,000 shelf labels, which has more stable performance with multi-AP load balancing.

Wide Coverage
One AP station covers an indoor area of up to 700 square meters, and the coverage diameter is up to 40 meters in the accessible indoor environment.

Convenient Installation
Supports plug and play, AP station automatic network access, cloud automatic activation, shelf label automatic access, and more convenient bluetooth management.

Security and Stability
AES 128-bit encryption technology contributes to impeccable protection for information and privacy security.

Intelligent System
Supports smooth roaming in the wireless environment, and the shelf labels can automatically search compatible AP stations. Equipped with advanced technologies such as load balancing and frequency hopping.

Unlimited Customization
Supports a variety of IoT protocols, such as BLE, Sub1GHz, and WiFi. It has the ability to meet a variety of industry application needs and quickly customize various of wireless products.

Applications

Suitable for retail department stores, smart office, pharmacy, medical, warehouse, logistics and more.

Technical Specification

Performance

Model	DHI-ESL-AP-A
Technology	Bluetooth and Wi-Fi
Operating Frequency	2.4 GHz+5 GHz
Coverage	30m radius indoors

Certifications

Certifications	CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU

Processor

CPU Main Frequency	775 MHz
Chip Solution	QCA 9563

Input&Output Port

POE	Yes

Dimensions&pPackaging

Bare Machine Dimensions	180 mm × 180 mm × 33 mm (7.09"× 7.09"× 1.30")
Packaging Dimensions	32 cm × 22 cm ×5.5 cm (12.60"× 8.66" × 2.17")
Gross Weight	780 g (1.72 lb)
Net Weight	500 g (1.10 lb)
Packaging	Carton

Function

Memory	16M FLASH + 128M RAM
Power Supply	48 V PoE
Automatic Access	Yes
Frequency-hopping Technology	Yes
BLE Private Protocol	Yes

Warranty (month)	12
Transmission Frequency	1167 Mbps
Operating Temperature	−10 °C to 60 °C (14 °F to 140 °F)
Installation	Ceiling-mounted

Ordering Information

Type	Model	Description
ESL-A Series	DHI-ESL-AP-A	Electronic Shelf Label AP Station