

# DHI-ESL-AP-A

## Electronic Shelf Label AP Station



### Introduction

The Electronic Shelf Label(ESL) AP Station is an ESL transmission system equipment. And a single AP station can manage up to 2000+ 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 2000+ shelf labels, which has more stable performance with multi-AP load balancing.

#### Wide Coverage

One AP station coverage diameter is up to 20 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 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.

- Strong extensibility, one AP station can manage up to 2000+ shelf labels.
- 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.

### Technical Specification

#### Performance

Model	DHI-ESL-AP-A
Technology	Bluetooth and Wi-Fi
Operating Frequency	2.4 GHz+5 GHz
Coverage	20m radius indoors

#### Certifications

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

CPU Main Frequency	775 MHz
Chip Solution	QCA 9563

#### Input&Output Port

POE	Yes
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#### Dimensions&Packaging

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