

DHI-ESL-AP-S

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 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 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.

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.

- 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.
- Wi-Fi mode indoor wireless base station.

Technical Specification

Performance

Model	DHI-ESL-AP-S
Technology	Wi-Fi
Operating Frequency	WiFi-2.4 GHz: IEEE 802.11b/g/n/ac/ax MIMO 2x2 2.4~2.4835 GHz WiFi-5.8 GHz: IEEE 802.11a/n/ac/ax MIMO 2x2 5.15~5.850 GHz
Coverage	25m radius indoors

Certifications

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

CPU Main Frequency	880 MHz
Chip Solution	Dual-core MIPS1004Kc (880MHz), with HNAT/HQoS/ Samba/ VPN accelerators

Input&Output Port

LAN	RJ-45, POE IEEE 802.11 af, IEEE 802.3, 10/100/1000Mbps auto-sensing MDI
DC	Yes
WAN/POE	Yes

Dimensions&Packaging

Bare Machine Dimensions	195 mm × 195 mm × 42 mm (7.68" × 7.68" × 1.65")
Packaging Dimensions	524 mm × 222 mm × 62.5 mm (20.63" × 8.74" × 2.46")
Gross Weight	890 g (1.96 lb)
Net Weight	612 g (1.35 lb)
Packaging	1 PCS/ Carton

Function

Memory	16M FLASH + 512M RAM
Power Supply	48 V PoE
Automatic Access	Yes

Frequency-hopping Technology	Yes
BLE Private Protocol	Yes
Warranty (month)	12
Transmission Frequency	1775Mbps
Operating Temperature	-10 °C to 60 °C (14 °F to 140 °F)
Installation	Ceiling-mounted

Ordering Information		
Type	Model	Description
ESL-AP Series	DHI-ESL-AP-S	Electronic Shelf Label AP Station