# Accessories for SE-range ESL

2025







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## **SE-range Introduction**



To create a distinctive business environment Opticon offers both e-paper and colored digital signage solutions. Opticon's wireless Electronic Shelf Label (ESL) system is based on a radio architecture and e-paper label that provides advantages in performance, cost and power consumption.

Our ESLs are suitable for industries such as retail, fashion, catering, mobile shops, jewelry, home appliances, pharmacy, industry, warehouse and room signage. The benefits of digital signage are that information can be presented more easily, prices can be adjusted instantly, and the signs can adapt to the context

and audience, even interactively. Opticon's solutions aim to dramatically impact how companies operate their businesses providing a superior platform that can improve profitability and enable new customer-facing applications, promotions and loyalty programs.

Opticon's solution highlights:

- Full centralized control and accuracy
- High flexibility in display content that is user-configurable
- Long-lasting usage
- High speed bi-directional communication
- Integrates with existing (retail) systems

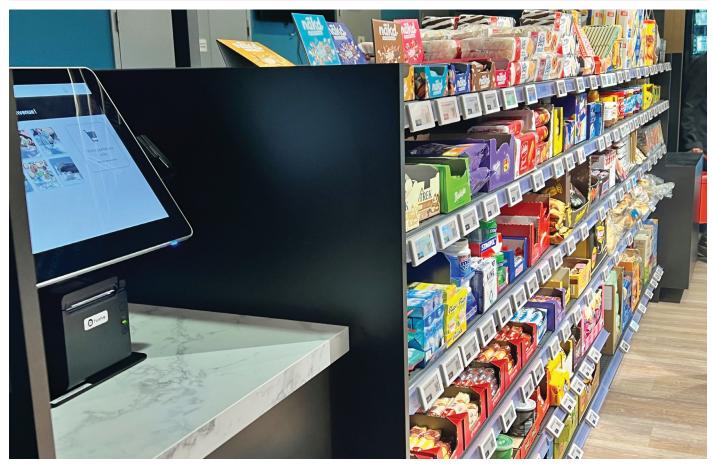
## The Labels

Opticon's e-paper label boasts a high contrast ratio and superior viewing angle. It is bi-stable, which means that the image will remain on the display even after power is disconnected. Depending individual usage, these battery powered ESLs can be used up to 5 years. We offer various sizes and colors, optional NFC and various mounting options. All to provide different technologies for different needs in the same store.

The smaller sizes of ESLs can be conveniently mounted using Opticon's rail mounting solution. You can find these rails in the chapter: 'Rail Accessories'. The ESLs are used in many different environments. To facilitate the many mounting requirements you will find

plenty of mounting accessories in the chapter: 'Mount Accessories'. it gives universal mounting options for the small SE-range as well as for the larger sizes ESLs, like the SE-420, SE-583RY and SE-1160R. In the last chapter 'Compatibility Chart' you can always check if your ESL fits a certain accessory. Other rails and different mounting options can be produced for the labels depending on request.

You can find all the parts that are required to facilitate the communication part of Opticon's ESL solution in the chapter: 'The Basestation'. All the parts combined deliver the full Opticon ESL solution. The Basestation can connect to the entire SE-Range of ESL's at the same time.



## SE-214





#### Main specifications

• Display: e-paper b/w/r and b/w/r/y

• Battery: 2x CR2450

Radio protocol: IEEE 802.15.4Number of dots: 250 x 122

• Pixel pitch: 130 dpi

• 1 RGB LED, adjustable brightness and duty level

• Dimensions: 72.8 x 35.8 x 13.7 mm

Model	Color	Power	NFC	LED	Sound	Art. code
SE-214R	B/W/R	Battery	No	Yes	No	15249
SE-214RY	B/W/R/Y	Battery	No	Yes	No	15250

## SE-214F





#### Main specifications

• Display: e-paper b/w

Radio protocol: IEEE 802.15.4Number of dots: 250 x 122

• Pixel pitch: 130 dpi

• Temperature: -25°C to 25°C

• 1 RGB LED, adjustable brightness and duty level

• Dimensions: 71.5 x 38.5 x 15.2 mm

SE-214F B/W Battery No Yes No 15251	Model	Color	Power	NFC	LED	Sound	Art. code
	SE-214F	B/W	Battery	No	Yes	No	15251

SE-266R



#### Main specifications

• Display: e-paper b/w/r

• Battery: 2x CR2450

Radio protocol: IEEE 802.15.4Number of dots: 296 x 152

• Pixel pitch: 125 dpi

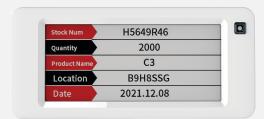
• 1 RGB LED, adjustable brightness and duty

• Dimensions: 86.9 x 42.9 x 12.9 mm

Model	Color	Power	NFC	LED	Sound	Art. code
SE-266R	B/W/R	Battery	No	Yes	No	15252

SE-290





#### Main specifications

- Display: e-paper b/w/r and b/w/r/y
- Battery: 2x CR2450
- Radio protocol: IEEE 802.15.4
- Number of dots: 296 x 128
- Pixel pitch: 112 dpi
- 1 RGB LED, adjustable brightness and duty level
- Dimensions: 94 x 43.2 x 11.8 mm

Model	Color	Power	NFC	LED	Sound	Art. code
SE-290R	B/W/R	Battery	No	Yes	No	15254
SE-290RY	B/W/R/Y	Battery	No	Yes	No	15255

## **SE-290A**





#### Main specifications

- Display: e-paper b/w and b/w/r/y
- Battery: 2x CR2450
- Radio protocol: IEEE 802.15.4
- Number of dots: 296 x 128
- Pixel pitch: 112 dpi
- 1 RGB LED, adjustable brightness and duty level
- Button for various functions
- Dimensions: 103.5 x 43.2 x 12.6 mm

Model	Color	Power	NFC	LED	Sound	Art. code
SE-290A	B/W	Battery	No	Yes	No	15256
SE-290ARY	B/W/R/Y	Battery	No	Yes	No	15318

## SE-420





#### Main specifications

- Display: e-paper b/w/r and b/w/r/y
- Battery: 4x CR2450
- Radio protocol: IEEE 802.15.4
- Number of dots: 400 x 300
- Pixel pitch: 120 dpi
- 1 RGB LED, adjustable brightness and duty level
- Dimensions: 104.9 x 93.9 x 13.7 mm

Model	Color	Power	NFC	LED	Sound	Art. code
SE-420R	B/W/R	Battery	No	Yes	No	15258
SE-420RY	B/W/R/Y	Battery	No	Yes	No	15259

## **SE-583RY**





#### Main specifications

Display: e-paper b/w/r/y

• Battery: 4x CR2450

• Radio protocol: IEEE 802.15.4

• Number of dots: 648 x 480

• Pixel pitch: 138 dpi

• 1 RGB LED, adjustable brightness and

duty level

• Dimensions: 139.9 x 119.5 x 14.3 mm

Model	Color	Power	NFC	LED	Sound	Art. code
SE-583RY	B/W/R/Y	Battery	No	Yes	No	15261

## **SE-1160R**





#### Main specifications

• Display: e-paper b/w/r

• Battery: CP783970

• Radio protocol: IEEE 802.15.4

• Number of dots: 960 x 640

• Pixel pitch: 100 dpi

• 1 RGB LED, adjustable brightness and

duty level

• Dimensions: 271.8 x 196.2 x 14.2 mm

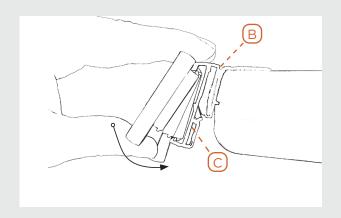
Model	Color	Power	NFC	LED	Sound	Art. code
SE-1160R	B/W/R	Battery	No	Yes	No	15262

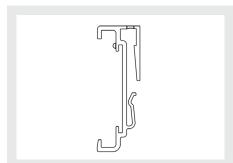
## **Rail Accessories**

The SE-214, SE-214F, SE-266R, SE-290 and SE-290A can be conveniently mounted using Opticon's rail mounting solution.

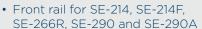
This rail mounting solutions consists of two elements; a dedicated rail for our ESLs in combination with a rail that is suitable for your use. This can be done by mounting rail type 'B' to your preferred surface. Rail type 'A' can be attached to any of the rail types marked with 'B'. Optional accessories 'C' can be used to add functionality to the labels.

The labels can be attached to the rail type 'A' by sliding them in from the side or by clicking them in from the frontside of the rail. To do this you must insert the top of the label first, then push down on the bottom of the label. The removal of the labels can be done by sliding them to the end of the rail.



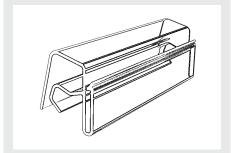


#### Rail for SE-2xx



- Front rail can be combined with all B-rails
- Length: 1000mmMaterial: PVCColor: Transparent

Model	Art.#
Holder rail SE-2x transp 1m	15305



#### Rail for Wire/Wire

Wire/Wire B

• Can be inserted in A-rail

• Rail for Wire/Wire basket/Box

- Length: 1000mm
- Material: PVC
- Color: Transparent



#### Rail 20-22mm

 Rail for 20-22mm Shelves C-Channel/Loizier/Madix/ P25(HMY) /La Fortezza F25

- Can be inserted in A-rail
- Length: 1000mm
- Material: PVC
- Color: Transparent

Model	Art.#
Shelf rail wire/wire 1m	14745

Model	Art.#
Shelf rail inheight 20-22mm 1m	14744



#### Rail flat 8-12mm

В

- Rail for 8-12mm thickness Flat Shelf
- Can be inserted in A-rail
- Length: 1000mmMaterial: PVCColor: Transparent

Model	Art.#
Shelf rail flat 8-12mm 1m	14746



#### Rail for Cefla 25



- Rail for 22.5~23.5mm Shelf Cefla System 25
- Can be inserted in A-rail
- Length: 1000mmMaterial: PVCColor: Transparent

Model	Art.#
Shelf rail Cefla 22.5mm 1m	14749



#### **Rail for H Shelves**



- Rail for 26mm H Shelves Double-Wire/Alser /Cefla System 25 /Fa Fortezza
- Can be inserted in A-rail
- Length: 1000mmMaterial: PVCColor: Transparent

Model	Art.#
Shalf rail H-shalvas 26mm 1m	1/17/17



#### Rail 15mm in height



- Rail for inner height 15mm Shelves CChannel/Loizier/ Streater/Alser InnovatinV4/ Madix/Hermes Metal e Yudigar P25 (HMY)/ La Fortezza F25
- Can be inserted in A-rail

Length: 1000mmMaterial: PVCColor: Transparent

Model	Art.#
Shelf rail inheight 15mm 1m	14748



#### **Rail for H Shelves**

В

- Rail for 14.5mm H Shelves Double Wire/Wanzl /Alser/Cefla System 25/La Fortezza F25
- Can be inserted in A-rail

Length: 1000mmMaterial: PVCColor: Transparent

Model Art. #
Shelf rail H-shelves 14.5mm 1m 14750

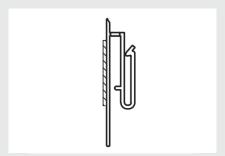


#### Rail for 30mm Shelves



- Rail for 30mm Shelves Linde/ Tegometal/Alser /Cefla System 25/La Fortezza etc.
- Can be inserted in A-rail
- Length: 1000mm
- Material: PVC
- Color: Transparent

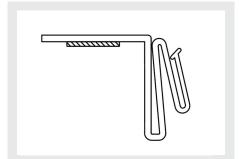
Model	Art.#
Shelf rail 30mm shelves 1m	14751



# Rail flat surface tape

- Rail for 14.5mm H Shelves Double Wire/Wanzl /Alser/Cefla System 25/La Fortezza F25
- Can be inserted in A-rail
- Length: 1000mm Material: PVC • Color: Transparent

Model	Art.#
Shelf rail flat surface tape	14929

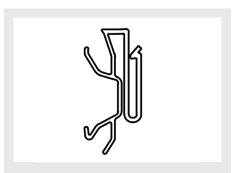


#### Rail on top tape

- Rail for 14.5mm H Shelves Double Wire/Wanzl /Alser/Cefla System 25/La Fortezza F25
- · Can be inserted in A-rail

• Length: 1000mm Material: PVC • Color: Transparent

Model	Art.#
Shelf rail on top tape	14930



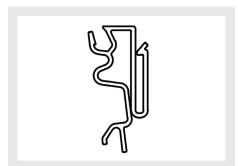
#### Rail Intrac IMZ25 V13 B

• Rail for inner height 15mm Shelves CChannel/Loizier/ Streater/Alser InnovatinV4/ Madix/Hermes Metal e Yudigar P25 (HMY)/ La Fortezza F25

• Can be inserted in A-rail

• Length: 1000mm • Material: PVC • Color: Transparent

Model	Art.#
Shelf rail Intrac IMZ25 V13	14931



#### Rail Fortezza P25

- Rail for 30mm Shelves Linde/ Tegometal/Alser /Cefla System 25/La Fortezza
- Can be inserted in A-rail
- Length: 1000mm • Material: PVC • Color: Transparent





#### Combined strip rail

- Rail for 30mm Shelves Linde/ Tegometal/Alser /Cefla System 25/La Fortezza
- Can be inserted in A-rail
- · Length: 1000mm
- Material: PVC
- Color: Transparent



#### Rail for 16-30mm flat

- Rail for 16-30mm thick Flat Shelf
- · Can be inserted in A-rail
- Length: 1000mm
- · Material: PVC
- Color: Transparent

Model	Art.#
Combined strip rail 1m	15039 *

Model	Art.#
Shelf rail flat 16-30mm 1m	14752



#### Rail for special constr.

• Rail for 19-20.5mm H special construction shelf

• Can be inserted in A-rail

• Length: 1000mm Material: PVC • Color: Transparent

Model Shelf rail H spec 19-20,5mm 1m 14754



#### Rail for V shelf

• Rail for vertical height 30-35mm No-tag Shelving, Works with Darling Flat/Syndicate Shelves

· Can be inserted in A-rail

• Length: 1000mm Material: PVC • Color: Transparent





#### **Bumper for Rail**

· Works with Flat Surface Shelf, to protect ESL from accidental damage by shopping carts

• The front bumper rail can be inserted with A-rails

• Length: 1000mm • Material: PVC • Color: Transparent

Model Art.# Bumper rail Flat surface shelf 14753

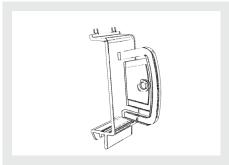


#### Promotion Card Holder C

- Extrusion label holder for promotion
- · Inserting into the rear socket of
- Inserted label size: 45mm H

· Length: 80mm Material: PVC • Color: Transparent





#### Promotion Card Holder C

• Shelf talker clip for promotion

- Working with the rails with promotion card
- Material: PVC
- Color: Transparent

Promotion card holder



14765 \*



#### **Promotion Card Holder**

- Shelf talker for promotion
- Working with rails
- Front is with adhesive white foam tape
- Material: PVC
- Color: Transparent

Model	Art.#
Promotion card holder tape	14766 *



#### Angle adjuster for rail C

- Angle adjuster for:
- Adjusting the angle of the rails at a 25° or 45° angle
- To be inserted at the rear socket of the rail holder
- Material: PVC
- Color: Transparent

Model Art.# Holder rail angle adjuster 14781 \*



#### Disassemble tool

- ESL Dissemble Accessory for: Removing ESL label from rail
- Material: ABS
- · Color: Grey

Model Art.# Disassemble tool for 14669 14782

# Designed with multifunctionality in mind



## **Mount Accessories**



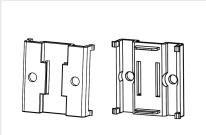
Mounting options consist of different fixtures, hooks, foot's, clamps, clips and sticks. A lot of these mounting options are available in white, black or transparent variants. Different mounting options can be produced for the labels depending on request.

The 'Holder SE-serie' marked with 'I' can be used for the smaller size ESL; SE-214, SE-266R, SE-290, SE-290A, SE-420 and the SE-583RY.

This holder is compatible with all items marked with 'II'.

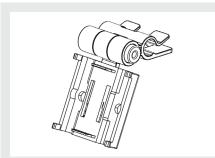
The mounting of the SE-1160R labels is different compared to the smaller labels, because the backside has several slots integrated. This makes it compatible with the accessories marked with 'II'.

Check out the compatible chart further in this brochure to have a convenient overview of which item is compatible with which ESL.



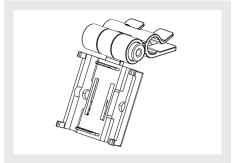
#### **Holder SE-series**

- Mounting adapter for SE-214, SE-214F, SE-266R, SE-290, SE-420, and SE-583RY. Works together with other mounting hardware.
- Material: PVC
- Color: Transparent



#### Holder SE-2x TH 3-6mm

- T-peg hook with adjusted angle for: 3-6mm diameter
- Includes 'Holder bracket SEseries' (15300)
- Material: PVC
- Color: Transparent



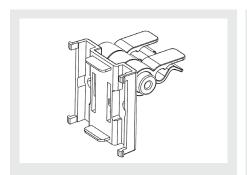
#### Holder SE-2x TH 5-8mm

- T-peg hook with adjusted angle for: 5-8mm diameter
- Includes 'Holder bracket SEseries' (15300)
- Material: PVC
- Color: Transparent

Model	Art.#
Holder bracket SE-series	15300

Model	Art.#
Holder bracket SE-2x TH 3-6mm	15301 *

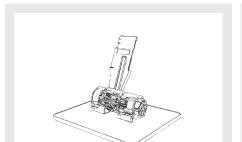
Model	Art.#
Holder bracket SE-2x TH5-8mm	15302 *



#### Holder SE-ser TH 3-5mm

- T-peg hook or wire with adjusted angle for: 3-5mm diameter
- Includes 'Holder bracket SEseries' (15300)
- Material: PVCColor: Transparent

Model	Art.#
Holder bracket SF-ser TH3-5mm	15304



#### **Stand Table Small**

- Small table top support with hinge in the middle
- Does not include 'Holder bracket SE-range' (15300)
- Material: PVC
- Color: Transparent

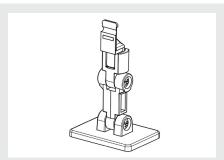




#### Holder SE-2x TH 3-10mm

- For 3-10mm diameter T-peg hook or wire
- Includes 'Holder bracket SEseries' (15300)
- Material: PVC
- Color: Transparent

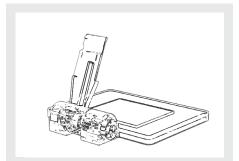
Model	Art.#
Holder bracket SF-2x TH3-10mm	15303 *



#### Mount Stand magn.

- Small table top support with magnet
- Does not include 'Holder bracket SE-range' (15300)
- Material: PVC
- Color: Black





#### **Stand Table Small**



- Small table top support with hinge on the back
- Does not include 'Holder bracket SE-range' (15300)
- Material: PVC
- Color: Transparent

Model	Art.#
Mount stand table front small	14772



#### **Stand Table Long**



- Long Table top support for deli area
- Does not include 'Holder bracket SE-range' (15300)
- Material: PVC
- Color: Transparent

Model	Art.#
Mount stand table middle long	14774



#### **Stand Table Big**

- Big table top support
- Does not include 'Holder bracket SE-range' (15300)
- Material: PVCColor: Transparent

Model	Art.#
Mount stand table big	14775



#### **Telescopic Pole**

- Telescopic pole stand
- Adjustable height 280-480mm
- Does not include 'Holder bracket SE-range' (15300)
- Material: PVC & Metal
- Color: Transparent & Black





#### Stand Table Big magn.

- Big table top support with magnet
- Does not include 'Holder bracket SE-range' (15300)
- Material: PVC
- Color: Transparent





#### **Telescopic Pole**

- Telescopic pole stand
- Adjustable height 450-750mm





#### **Telescopic Pole**

- Telescopic pole stand
- Adjustable height 150-280mm
- Does not include 'Holder bracket SE-range' (15300)
- Material: PVC & Metal
- Color: Transparent & Black

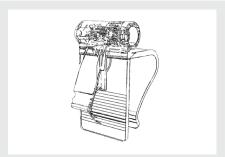
Model	Art.#
Mount stand 150-280mm	14768



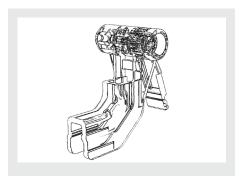
#### Clamp Adj. Arm

- Clip with adjustable arm
- Does not include 'Holder bracket SE-range' (15300)
- Material: ABS
- Color: Grey

Model	Art.#
Mount clip adjustable angle	14778







#### **Vertical Clip**

• Vertical clip for: 12-20mm basket and wood/glass

• Does not include 'Holder bracket SE-range' (15300)

• Material: PVC • Color: Transparent

Model

Н	or	ize	on	tal	CI	ai
						-

• Horizontal clip for: 12-20mm wood/glass shelf

• Does not include 'Holder bracket SE-range' (15300)

 Material: PVC • Color: Transparent

#### L-Hook hanger

6-8mm T hook

• L hook hanger for:

• Does not include 'Holder bracket SE-range' (15300)

• Material: PVC · Color: Transparent

Art.#

Model	Art.#
Mount clip horizontal 12-20mm	14770

Model	Art.#
Holder bracket Lahook 6-8mm	14762



Mount clip vertical 12-20mm 14771



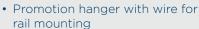


#### Mount Hanger with ring

• Promotion hanger for rail mounting

- Does not include 'Holder bracket SE-range' (15300)
- Material: PVC
- Color: Transparent

<b>Mount Hanger wire</b>
double sided



- Double-sided
- Does not include 'Holder bracket SE-range' (15300)

Material: PVC
Color: Transparent

### Art.# Mount hanger wire double-side 14992

#### **Mount Hanging clip**

- Promotion hanger for clip mounting
- Does not include 'Holder bracket SE-range' (15300)
- Material: PVC
- Color: Transparent

Model	Art.#
Hanging clip transparant	15082

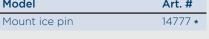


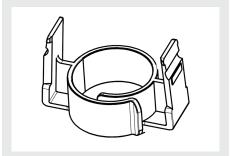


#### Ice Pin

- Ice pin mount for frozen area
- Does not include 'Holder bracket SE-range' (15300)
- Material: PVC • Color: Transparent

Model	Art.#
Mount ice pin	14777 *





#### Pole/bottle fastener

- Promotion hanger for around a pole or bottle
- Does not include 'Holder bracket SE-range' (15300)
- Material: PVC
- · Color: White

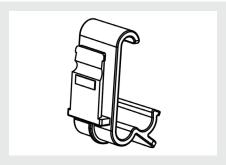




#### **Hanger Rail**

- Promotion hanger for rail mounting
- Does not include 'Holder bracket SE-range' (15300)
- Material: PVC
- Color: Transparent

Model	Art.#
Mount hanger for rail	14776



#### Clip for Tegometal shelf

- Clip for Tegometal shelf system
- Does not include 'Holder bracket SE-range' (15300)
- Material: PVC
- Color: White





#### Mount Hanger 3-12mm

- Promotion hanger for rail mounting
- Does not include 'Holder bracket SE-range' (15300)
- Material: PVC
- Color: Black

Model	Art.#
Mount hanger 3-12mm	14933



#### Metal wire for mounting

- Metal wire for mouting
- Material: metal
- Color: metal

Model	Art.#
Metal wire for mounting	14862 *

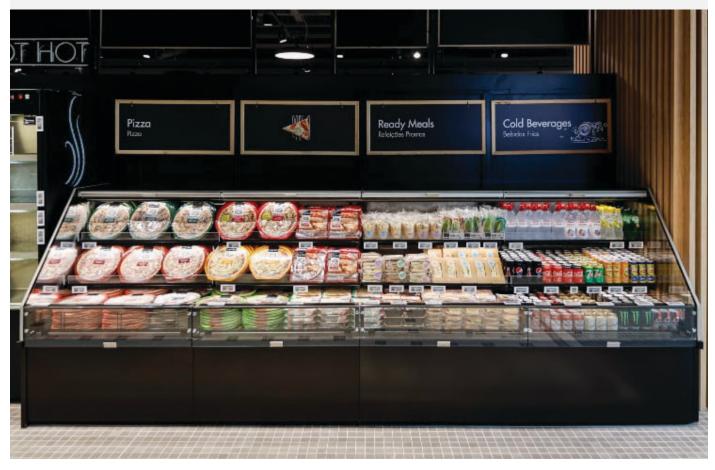
## The Basestation

From small retail to multi-store business, implementation of the Basestation is very simple. All e-paper labels are connected to the same network and content management system, which is connected to the back-office system. One EBS-40 base station can load 2,500 ESLs per station and has a 25-meter indoor radius.

The ESL Server software runs on the Base Station and can be used to provide the ELSs with content. There are different types of solutions that the ESL Server Software will support: CSV-file solution, SQL solution, CSV / SQL hybrid solution, External content management solution and a SQL API. You can download the latest version from www.opticon.com.



Use the EBS Power Supply to provide the Base Station with 6V power. You can use the EBS Ethernet cable to connect the Base Station to your existing network.



## **EBS-40**



#### Main specifications

- ESL Base Station
- The base station provides a connection between the Electronic Shelf Label server and the Electronic Shelf labels so you can easily update them whenever you want.



Model Art. code
EBS-40 13665

## **EBS-50**



#### Main specifications

- Smart ESL base station
- Communicates with your wireless ESLs, hosts the ESL Server Application and can even host its own database server. The EBS-50 is a combination of a Linux microcomputer and a Base Station.



ModelArt. codeEBS-5014828

## **Software**



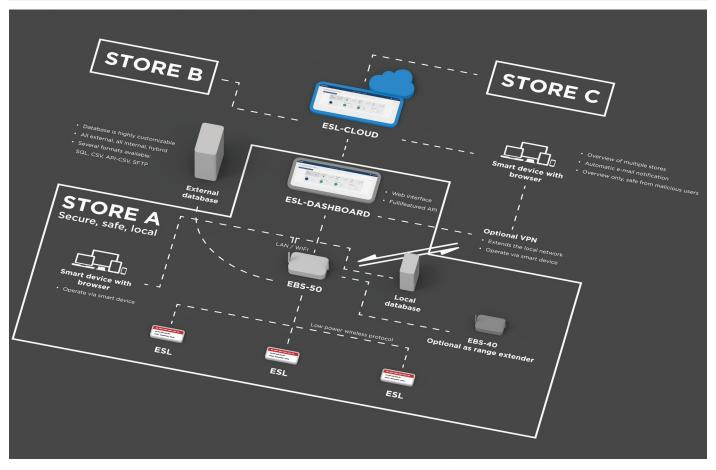
#### ESL (Web) Server Software

The server software makes it possible to connect any smart device on the same network as the EBS-50 to use its browser to reach the ESL Server Web Interface and manage the labels. No mouse, keyboard or monitor is required.



#### **ESL Cloud Dashboard**

You can see the statuses of all your EBS-50's on a centralized overview page. Simply instruct your EBS-50 to send its local system status (as seen on the dashboard landing page) to the Cloud Dashboard.



# **Compatibility Chart**

	SE-214	SE-214F	SE-266R	SE-290	SE-290A	SE-420	SE-583RY	SE-1160R	15305 Rail
Rails									
15305	•	•	•	•	•				
14744									•
14745	П								•
14746									
14747									•
14748									•
14749									•
14750	•								•
14751									•
14752	•	•	•		•				•
14753									•
14754	•	•	•		•				•
14755									•
14764	•	•	•		•				•
14765									•
14766	•	•	•		•				•
14781									•
14782	•	•	•	•	•				
14929									•
14930	•	•	•		•				•
14931									•
14932	•	•	•		•				•
15039									•

- Compatible without extra accessories
- Only compatible with art. 15305

	SE-214	SE-214F	SE-266R	SE-290	SE-290A	SE-420	SE-583RY	SE-1160R
Mounting								
15300	•	•	•	•	•	•	•	
14762								
14767					•		•	•
14768							•	•
14769			_		•		•	•
14770								
14771					_			
14772							•	
14773					_		•	
14774							•	
14775					_		•	•
14776							•	
14777					_			
14778							•	
14862							•	•
14919							•	•
14933		-			•			
14992							•	
14993		-			•		•	
15080							•	•
15081		•			•		•	•
15082							•	•
15083		•			•		•	
15301	•	•	•	•	•			
15302	•	•	•	•	•			
15303	•	•	•	•	•			
15304	•	•	•	•	•	•	•	

- Compatible without extra accessories
- Only compatible with art. 15300

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