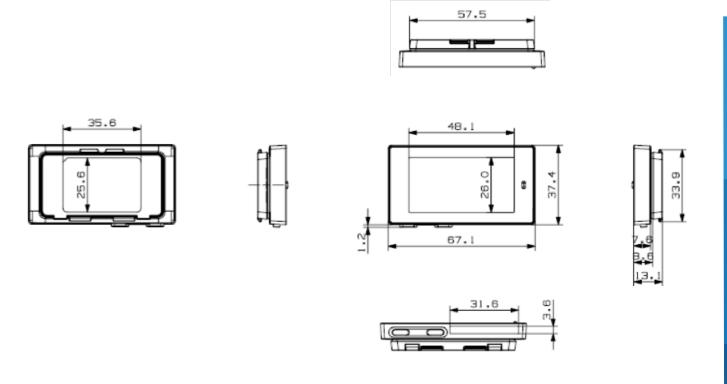


Model W:EL016H3WRA/WWW B:EL016H3BRA/WWW	Pixels color BW / BWR / BWY	Compliance CE, RoHS, FCC
Dimension (mm)	Viewing angle	NFC
36.7 × 45.0 × 13.1	Nearly 180°	FeliCa NFC Forum Type 3
Active display area (mm)	Usable pages	Waterproof
27.0 × 27.0	Up to 7 pages	IP67
Resolution (pixel)	Operating temperature	Button
200 x 200	0 - 40°C	2 Buttons
Pixel density	Battery	LED
184 dpi	CR2450 × 1ea	7 Colors (Red/Green/Blue/Yellow/Cyan/Magenta/White)
Display technology	Battery lifetime	ESL operating frequency
Full Graphic E-ink Display	Up To 5 years (2 Update/day) + 3 years in 0°~10°	2.4 Ghz
Bezel color		Wireless firmware update
White or Black, Customizable Color(Optional)	Encryption 128-Bit AES	Yes



1.6 inch



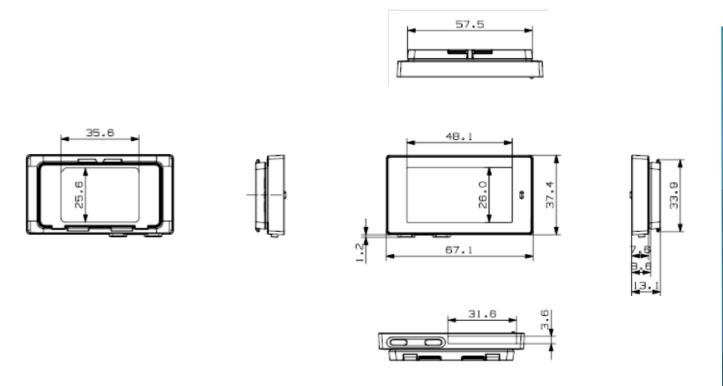


Model W:EL022H3WRA/WWW B:EL022H3BRA/WWW	Pixels color BW / BWR / BWY	Compliance CE, RoHS, FCC
Dimension (mm)	Viewing angle	NFC
67.1 × 37.4 × 13.1	Nearly 180°	FeliCa NFC Forum Type 3
Active display area (mm)	Usable pages	Waterproof
48.1 × 26.0	Up to 7 pages	IP67
Resolution (pixel)	Operating temperature	Button
296 × 160	0 - 40°C	2 Buttons
Pixel density	Battery	LED
156 dpi	CR2450 × 2ea	7 Colors (Red/Green/Blue/Yellow/Cyan/Magenta/White)
Display technology	Battery lifetime	ESL operating frequency
Full Graphic E-ink Display	Up To 10 years (2 Update/day) + 5 years in 0°~10°	2.4 Ghz
Bezel color	Encryption	Wireless firmware update
White or Black, Customizable Color(Optional)	128-Bit AES	Yes

2.2

2.2 inch



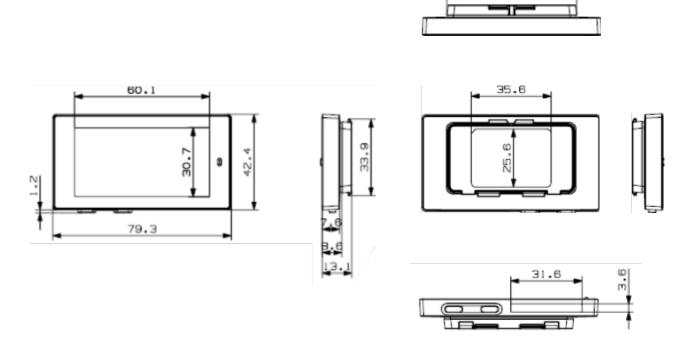




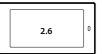
2.2 inch freezer

Model	Pixels color	Compliance
W:ELF22H3WMA/WWW B:ELF22H3BMA/WWW	BW	CE, RoHS, FCC
Dimension (mm)	Viewing angle	NFC
67.1 × 37.4 × 13.1	Nearly 180°	FeliCa NFC Forum Type 3
Active display area (mm)	Usable pages	Waterproof
48.1 × 26.0	Up to 7 pages	IP67
Resolution (pixel)	Operating temperature	Button
296 × 160	-25 ~ 0°C	2 Buttons
Pixel density	Battery	LED
156 dpi	CR2450 × 2ea	7 Colors (Red/Green/Blue/Yellow/Cyan/Magenta/White
Display technology	Battery lifetime	ESL operating frequency
Full Graphic E-ink Display	Up To 3 years (1 Update/day)	2.4 Ghz
Bezel color	Encryption	Wireless firmware update
White or Black, Customizable Color(Optional)	128-Bit AES	Yes



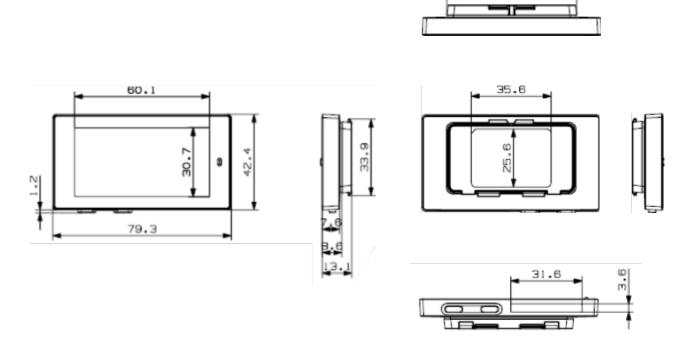


Model	Pixels color	Compliance
W:EL026H3WRA/WWW B:EL026H3BRA/WWW	BW / BWR / BWY	CE, RoHS, FCC
Dimension (mm)	Viewing angle	NFC
79.3 × 42.4 × 13.1	Nearly 180 °	FeliCa NFC Forum Type 3
Active display area (mm)	Usable pages	Waterproof
60.1 × 30.7	Up to 7 pages	IP67
Resolution (pixel)	Operating temperature	Button
360 × 184	0 - 40°C	2 Buttons
Pixel density	Battery	LED
152 dpi	CR2450 × 2ea	7 Colors (Red/Green/Blue/Yellow/Cyan/Magenta/White)
Display technology	Battery lifetime	ESL operating frequency
Full Graphic E-ink Display	Up To 10 years (2 Update/day) + 5 years in 0°~10°	2.4 Ghz
Bezel color	Encryption	Wireless firmware update
White or Black, Customizable Color(Optional)	128-Bit AES	Yes



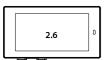
2.6 inch





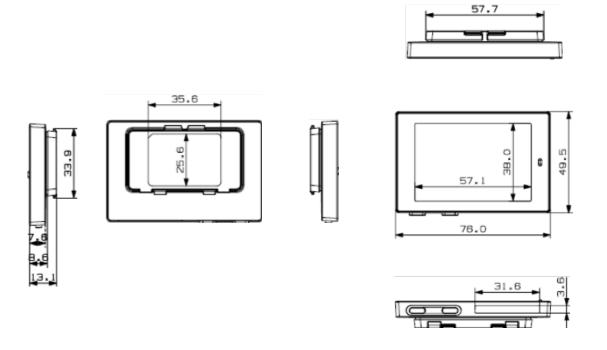
Model W:ELF26H3WMA/WWW B:ELF26H3BMA/WWW	Pixels color BW	Compliance CE, RoHS, FCC
Dimension (mm)	Viewing angle	NFC
79.3 × 42.4 × 13.1	Nearly 180 °	FeliCa NFC Forum Type 3
Active display area (mm)	Usable pages	Waterproof
60.1 × 30.7	Up to 7 pages	IP67
Resolution (pixel)	Operating temperature	Button
360 × 184	-25 ~ 0°C	2 Buttons
Pixel density	Battery	LED
152 dpi	CR2450 × 2ea	7 Colors (Red/Green/Blue/Yellow/Cyan/Magenta/White)
Display technology	Battery lifetime	ESL operating frequency
Full Graphic E-ink Display	Up To 3 years (1 Update/day)	2.4 Ghz
Bezel color	Encryption	Wireless firmware update
White or Black, Customizable Color(Optional)	128-Bit AES	Yes





2.6 inch freezer

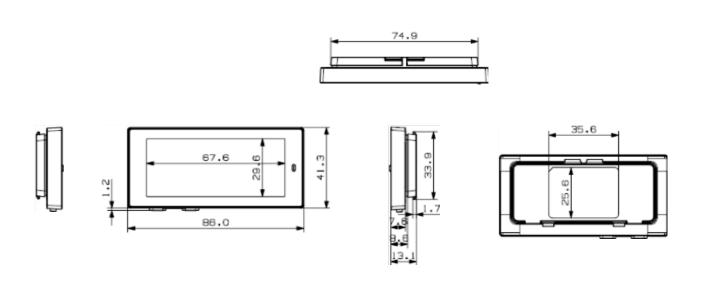




Model W:EL027H3WRA/WWW B:EL027H3BRA/WWW	Pixels color BW / BWR / BWY	Compliance CE, RoHS, FCC
Dimension (mm)	Viewing angle	NFC
76.0 × 49.5 × 13.1	Nearly 180°	FeliCa NFC Forum Type 3
Active display area (mm)	Usable pages	Waterproof
57.3 × 38.1	Up to 7 pages	IP67
Resolution (pixel)	Operating temperature	Button
300 × 200	0 - 40°C	2 Buttons
Pixel density	Battery	LED
133 dpi	CR2450 × 2ea	7 Colors (Red/Green/Blue/Yellow/Cyan/Magenta/White)
Display technology	Battery lifetime	ESL operating frequency
Full Graphic E-ink Display	Up To 10 years (2 Update/day) + 5 years in 0°~10°	2.4 Ghz
Bezel color	Encryption	Wireless firmware update
White or Black, Customizable Color(Optional)	128-Bit AES	Yes

2.7 inch



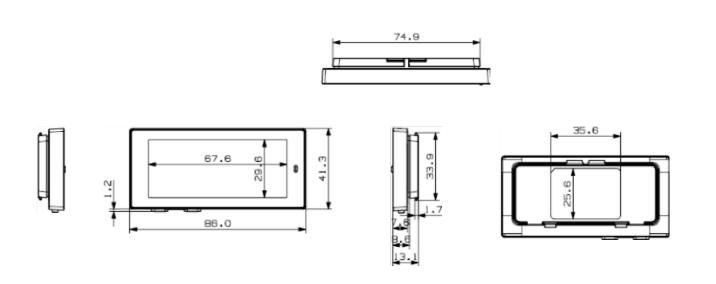


Model W:EL029H3WRA/WWW B:EL029H3BRA/WWW	Pixels color BW / BWR / BWY	Compliance CE, RoHS, FCC
Dimension (mm)	Viewing angle	NFC
86.0 × 41.3 × 13.1	Nearly 180°	FeliCa NFC Forum Type 3
Active display area (mm)	Usable pages	Waterproof
67.6 × 29.6	Up to 7 pages	IP67
Resolution (pixel)	Operating temperature	Button
384 × 168	0 - 40°C	2 Buttons
Pixel density	Battery	LED
144 dpi	CR2450 × 2ea	7 Colors (Red/Green/Blue/Yellow/Cyan/Magenta/White)
Display technology	Battery lifetime	ESL operating frequency
Full Graphic E-ink Display	Up To 10 years (2 Update/day) + 5 years in 0°~10°	2.4 Ghz
Bezel color	Encryption	Wireless firmware update
White or Black, Customizable Color(Optional)	128-Bit AES	Yes



2.9 inch



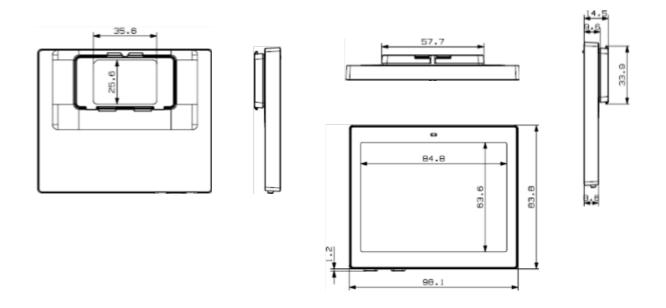


Model	Pixels color	Compliance
W:ELF29H3WMA/WWW B:ELF29H3BMA/WWW	BW	CE, RoHS, FCC
Dimension (mm)	Viewing angle	NFC
86.0 × 41.3 × 13.1	Nearly 180 °	FeliCa NFC Forum Type 3
Active display area (mm)	Usable pages	Waterproof
67.6 × 29.6	Up to 7 pages	IP67
Resolution (pixel)	Operating temperature	Button
384 × 168	-25 ~ 0°C	2 Buttons
Pixel density	Battery	LED
144 dpi	CR2450 × 2ea	7 Colors (Red/Green/Blue/Yellow/Cyan/Magenta/White)
Display technology	Battery lifetime	ESL operating frequency
Full Graphic E-ink Display	Up To 3 years (1 Update/day)	2.4 Ghz
Bezel color	Encryption	Wireless firmware update
White or Black, Customizable Color(Optional)	128-Bit AES	Yes

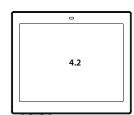


2.9 inch freezer



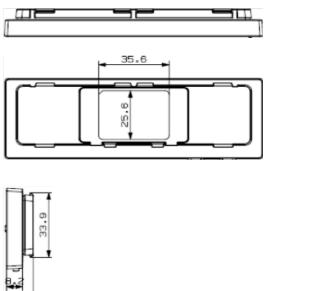


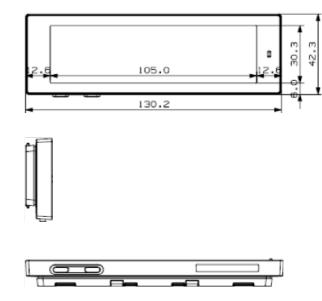
Model	Pixels color	Compliance
W:EL042H3WRA/WWW B:EL042H3BRA/WWW	BW / BWR / BWY	CE, RoHS, FCC
Dimension (mm)	Viewing angle	NFC
98.1 × 83.8 × 14.5	Nearly 180°	FeliCa NFC Forum Type 3
Active display area (mm)	Usable pages	Waterproof
84.8 × 63.6	Up to 7 pages	IP67
Resolution (pixel)	Operating temperature	Button
400 × 300	0 - 40°C	2 Buttons
Pixel density	Battery	LED
120 dpi	CR2450 × 2ea	7 Colors (Red/Green/Blue/Yellow/Cyan/Magenta/White)
Display technology	Battery lifetime	ESL operating frequency
Full Graphic E-ink Display	Up To 10 years (2 Update/day) + 5 years in 0°~10°	2.4 Ghz
Bezel color	Encryption	Wireless firmware update
White or Black, Customizable Color(Optional)	128-Bit AES	Yes



4.2 inch



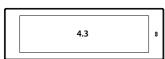




NEWTON LABEL

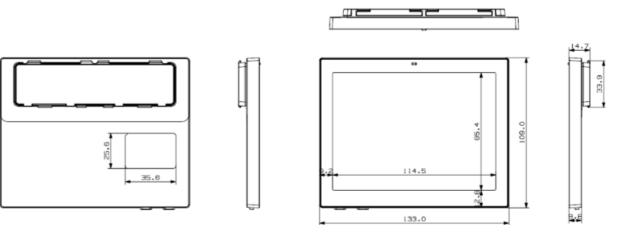
TECHNICAL SPECIFICATIONS

Model	Pixels color	Compliance
W:EL043H3WRA/WWW B:EL043H3BRA/WWW	BW / BWR / BWY	CE, RoHS, FCC
Dimension (mm)	Viewing angle	NFC
130.3 × 42.4 × 13.9	Nearly 180°	FeliCa NFC Forum Type 3
Active display area (mm)	Usable pages	Waterproof
105.4 × 30.7	Up to 7 pages	IP67
Resolution (pixel)	Operating temperature	Button
522 × 152	0 - 40°C	2 Buttons
Pixel density	Battery	LED
125 dpi	CR2450 × 2ea	7 Colors (Red/Green/Blue/Yellow/Cyan/Magenta/Whit
Display technology	Battery lifetime	ESL operating frequency
Full Graphic E-ink Display	Up To 10 years (2 Update/day) + 5 years in 0°~10°	2.4 Ghz
Bezel color	Encryption	Wireless firmware update
White or Black, Customizable Color(Optional)	128-Bit AES	Yes



4.3 inch



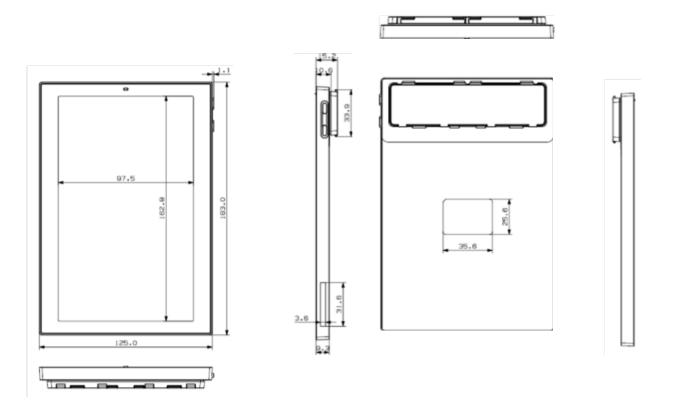


Model W:EL060H3WRA/WWW B:EL060H3BRA/WWW	Pixels color BW / BWR / BWY	Compliance CE, RoHS, FCC
Dimension (mm)	Viewing angle	NFC
133.0 × 109.0 × 14.7	Nearly 180°	FeliCa NFC Forum Type 3
Active display area (mm)	Usable pages	Waterproof
114.9 × 85.8	Up to 3 pages	IP67
Resolution (pixel)	Operating temperature	Button
600 × 448	0 - 40°C	2 Buttons
Pixel density	Battery	LED
132 dpi	CR2450 × 4ea	7 Colors (Red/Green/Blue/Yellow/Cyan/Magenta/White)
Display technology	Battery lifetime	ESL operating frequency
Full Graphic E-ink Display	Up To 10 years (1 Update/day) + 5 years in 0°~10°	2.4 Ghz
Bezel color	Encryption	Wireless firmware update
White or Black, Customizable Color(Optional)	128-Bit AES	Yes

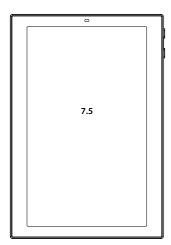


6.0 inch



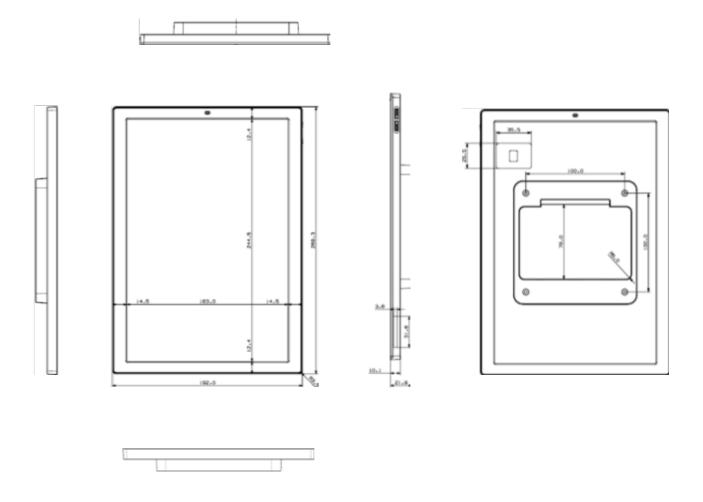


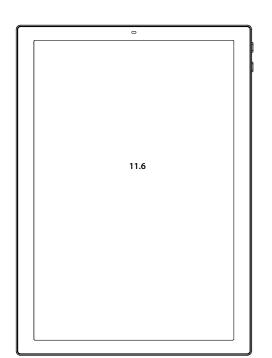
Model	Pixels color	Compliance
W:EL075H3WRA/WWW B:EL075H3BRA/WWW	BW / BWR	CE, RoHS, FCC
Dimension (mm)	Viewing angle	NFC
125.0 × 183.0 × 15.2	Nearly 180°	FeliCa NFC Forum Type 3
Active display area (mm)	Usable pages	Waterproof
163.2 × 97.9	Up to 3 pages	IP67
Resolution (pixel)	Operating temperature	Button
800x480	0 - 40°C	2 Buttons
Pixel density	Battery	LED
126 dpi	CR2450 × 4ea	7 Colors (Red/Green/Blue/Yellow/Cyan/Magenta/White
Display technology	Battery lifetime	ESL operating frequency
Full Graphic E-ink Display	Up To 10 years (1 Update/day) + 5 years in 0°~10°	2.4 Ghz
Bezel color	Encryption	Wireless firmware update
White or Black, Customizable Color(Optional)	128-Bit AES	Yes



7.5 inch







11.6 inch

TECHNICAL SPECIFICATIONS

Model W:EL116H3WRA/WWW B:EL116H3BRA/WWW	Pixels color BW / BWR	Compliance CE, RoHS, FCC
Dimension (mm)	Viewing angle	NFC
192.0 × 268.0 × 21.9	Nearly 180°	FeliCa NFC Forum Type 3
Active display area (mm)	Usable pages	Waterproof
163.0 × 244.5	Up to 3 pages	IP67
Resolution (pixel)	Operating temperature	Button
640 × 960	0 - 40°C	2 Buttons
Pixel density	Battery	LED
100 dpi	AA × 4ea	7 Colors (Red/Green/Blue/Yellow/Cyan/Magenta/White)
Display technology	Battery lifetime	ESL operating frequency
Full Graphic E-ink Display	Up To 10 years (1 Update/day) + 5 years in 0°~10°	2.4 Ghz
Bezel color	Encryption	Wireless firmware update
White or Black, Customizable Color(Optional)	128-Bit AES	Yes





NEWTON GATEWAY

Newton Gateway digital numbering system gives it a modern and digitized look. But more importantly, this makes it easier for managers to identify the Gateway's ID for internal device management purposes.

Another improvement with Newton Gateway is that it has a tag and load-balancing system which means that the number of connected labels will always be evenly distributed. No overloading or underloading between Gateways and no need to manually track the Gateways' load.

It has more than 60 RF channels which means that there's almost no interference issue. And its auto-channel selection system allows it to avoid channel collisions.



50,000 labels

CAPACITY



Ranges up to 30 meters or 98 feet

COMMUNICATION RADIUS



4GBFLASH MEMORY



1GB RAM



10W POWER CONSUMPTION



EthernetINTERFACE

USB GATEWAY

The USB Gateway is a stand-alone system. However, it can also be an extension to the Newton Gateway. It can offer additional capacity, memory, range, among others, without the added infrastructure.

With Newton's Gateways, you can achieve a more seamless and automated data exchange between your electronic shelf labels and your command system.





5,000 labels
CAPACITY



Ranges up to 25 meters or 82 feet

COMMUNICATION RADIUS



4GBFLASH MEMORY



512 MB RAM



2.5WPOWER CONSUMPTION



USBINTERFACE





MIMS

NIMS NIMS NIMS

The central command center of our Newton label, AIMS is an adaptable, scalable, and highly-intuitive ESL management software system specially designed to help you get the most out of our electronic shelf labeling solutions.

Our AIMS software server can be deployed in three environments - On-Site, Central Server/Cloud, and as a Service as a Software (SaaS). All these four options can be connected to all existing data sources which are relevant to your intended use of our ESL solutions, all while providing easy-touse controls for commands such as price updates, stock replenishment, or locating distinct items in the warehouse.

For our retail clients such as hypermarkets, groceries, and fashion stores, AIMS software can

use data such as customer purchase history, stock levels, and product location to initiate timely promotional offers and discounts. In an industrial environment, AIMS software can activate applications such as pick to light, wireless Kanban, and smart ordering system to achieve a more seamless, cost-efficient, and sustainable warehouse and manufacturing operations.

From activating store promos to managing industrial warehouse and manufacturing operations, AIMS software is a holistic platform that powers our ESL solutions. With this software, you can easily manage all the ESLs located across all their premises and location in a centralized manner – resulting in reduced infrastructure costs, improved staff productivity, better data management, and increased revenue.

AIMSSite server

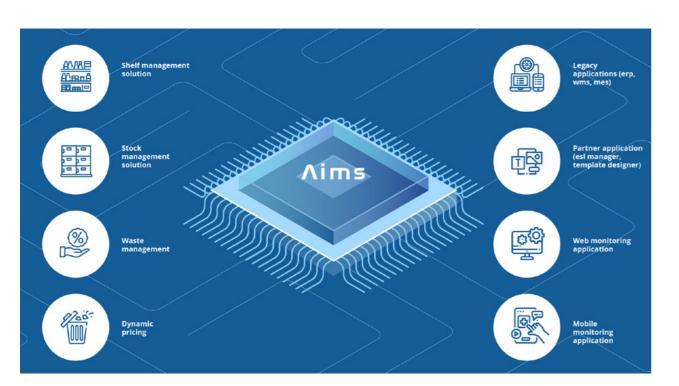
I. AIMS SITE SERVER

With our AIMS solution, you will have a solid, reliable, and fast, ESL management software at your fingertips.

With our AIMS software package, you will not only own and manage the software, but you can also scale and customize it based on your unique preferences and needs. A flexible ESL management system, for flexible scaling, for flexible companies.

AIMS Site Server Features

1. Easy Integration with 3rd Party Solution A modular architecture of AIMS makes it have a strong point in the integration with other IT solutions through rest API fast and easy.



2. Intuitive ESL Dashboard

AIMS has a store and central monitoring dashboards that display important information such as:

- The number and online/offline status of gateways.
- The number of active Newton labels.
- IP addresses of all gateways.
- MAC addresses of all access points.
- Status of access points.
- The firmware version of access points.
- The number of labels associated with the access point.
- Data channel used for the access point.
- · Wakeup channel used for the access point.





3. Layout Designer

AIMS provides an easy and user-friendly Layout Designer tool that allows you to design the ESLs to fit the products you sell or to match your store's branding.

4. Web PDA / Mobile Application

With the web-based ESL management software for store PDA and mobile devices (Android or iOS), your staff can manage the ESLs remotely across your business premises.

