

SOLUM



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The Future
of Retail



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SOLUM Signage

Elevate Your Display Communication

Welcome to the future of visual communication. SOLUM Signage Line-up is not just a display; it's an immersive experience designed to elevate how you connect with your audience. Whether you're in retail, corporate, education, or events, our signage solutions are crafted to captivate attention and communicate with impact.

From the standard signages perfect for conveying impactful messages in indoor spaces, to the impactful bar displays optimized for high-performance indoor advertising, our signage line-up delivers versatility tailored for any environment.

With features like diverse connectivity, robust build, and responsive touch technology, SOLUM Signage Line-up redefines communication, ensuring your message resonates with impact and efficiency across diverse applications.

↓ Why SOLUM Signage?

Versatile Display Solutions:

The SOLUM Signage Lineup offers diverse displays across categories, sizes, and resolutions, from portable EPDs to immersive video displays. It caters to various needs, providing tailored solutions, whether for mobile promotions, detailed retail showcases, or impactful visual experiences. This comprehensive solution eliminates the need for multiple providers, ensuring a cohesive visual communication strategy.

Innovative Interactive Technology:

SOLUM Signage integrates cutting-edge interactive tech like touchless displays and responsive touch functionality. These advancements offer modern, engaging experiences in various settings, setting businesses apart while ensuring safer interaction options.

Advanced CMS Integration:

SOLUM Signage Lineup seamlessly integrates a user-friendly CMS, streamlining content management and remote control functionalities. This system enables real-time content updates, ideal for dynamic advertising and adapting swiftly to changing business needs.



Seamless Integration



Diverse Connectivity



Robust Build



Wide Viewing Angles



Advanced CMS
Integration



Responsive Touch
Technology*

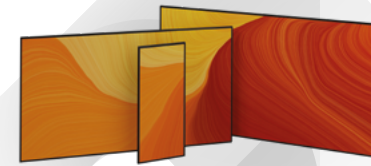


Energy Efficient



Remote Monitoring

*For Newton TOUCH 23" and Newton TOUCH 29" only



Standard Display

25" QHD
50" UHD
55" UHD



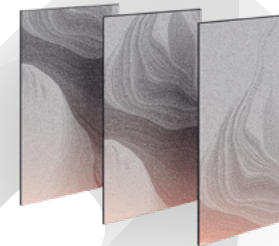
Bar Display

Newton TOUCH 23" FHD Bar Display
Newton TOUCH 29" FHD Bar Display
35" UHD Bar Display
37" FHD Bar Display
47.1 UHD Bar Display



Dual Display

49" Dual Display



EPD Display

31.5" EPD Display

Newton Pro

Retail Revolution Redefined

Unlock the Future of Retail with Newton Pro.

The future of retail is here, and it's named Newton Pro. Elevate your in-store experience, engage your customers like never before, and excel in every facet of retail management. We've designed the Newton Pro with the future of retail in mind, ensuring that your business remains ahead of the curve.

When it comes to revolutionizing your retail environment, look no further than Newton Pro. Elevate your retail space, engage your customers, excel in all aspects of retail management, and seize the future of retail today. The start of your retail success starts here.



Interactive Button



Revamped Aesthetics and Streamlined Design



4-Color E-paper Display for Visual Appeal



10x Faster Update Speed with Newton System Integration



Enhanced Durability with IP68 Waterproof Rating



Interactive Button with Enhanced Durability



MODEL	DIMENSION	ACTIVE DISPLAY AREA	RESOLUTION (PIXEL)	PIXEL DENSITY
1.6"	1.45 x 1.77 x 0.41 inch	1.06 x 1.06 inch	200 x 200	184 dpi
2.2"	2.64 x 1.45 x 0.41 inch	1.89 x 1.02 inch	296 x 160	156 dpi
2.6"	3.12 x 1.67 x 0.41 inch	2.37 x 1.21 inch	360 x 184	152 dpi
2.9"	3.38 x 1.62 x 0.41 inch	2.66 x 1.17 inch	384 x 168	144 dpi
3.5"	3.94 x 1.95 x 0.41 inch	3.19 x 1.50 inch	384 x 180	120 dpi
4.2"	3.86 x 3.29 x 0.49 inch	3.34 x 2.50 inch	400 x 300	120 dpi
4.3"	5.13 x 1.67 x 0.50 inch	4.15 x 1.21 inch	522 x 152	125 dpi
5.8"	6.45 x 2.62 x 0.53 inch	1.88 x 5.47 inch	792 x 272	145 dpi
6.1"	5.23 x 4.29 x 0.56 inch	4.52 x 3.38 inch	600 x 448	132 dpi
7.5"	4.92 x 7.2 x 0.58 inch	6.43 x 3.86 inch	800 x 480	126 dpi
9.7"	6.7 x 8.8 x 0.58 inch	5.56 x 7.94 inch	672 x 960	121 dpi
11.6"	7.56 x 10.6 x 0.58 inch	6.42 x 9.63 inch	640 x 960	100 dpi
12.2"	8.57 x 10.29 x 0.58 inch	7.48 x 9.35 inch	768 x 960	103dpi

Newton CORE

Your Core Advantage for Success

In the dynamic world of retail, innovation is not a luxury; it's a necessity. Newton Core is your solution to embrace the future of electronic shelf labeling, offering a perfect blend of affordability and advanced features. At the core of Newton Core lies the promise of cost-effective brilliance, enabling modern retailers to thrive in today's competitive market.

Newton Core's key benefits empower you to excel in your retail operations. With an impressive decade-long battery life, you'll reduce maintenance costs and ensure uninterrupted functionality. Customize your ESL with a reflection-resistant design for optimal visibility, even in well-lit environments. Plus, enjoy the convenience of swift updates at a 10x speed, ensuring your pricing and promotions remain current and impactful.



Cost-effective
brilliance



A decade-long
battery life



Customizable
brand identity



Swift updates at
10x speed



Reflection-resistant
design

MODEL	DIMENSION	ACTIVE DISPLAY AREA	RESOLUTION (PIXEL)	PIXEL DENSITY
1.6"	1.45 x 1.84 x 0.46 inch	1.0 x 1.0 inch	200 x 200	184 dpi
2.2"	2.64 x 1.45 x 0.46 inch	1.8 x 1.0 inch	296 x 160	156 dpi
2.6"	3.08 x 1.68 x 0.46 inch	2.3 x 1.2 inch	360 x 184	152 dpi
2.9"	3.37 x 1.68 x 0.46 inch	2.6 x 1.1 inch	384 x 168	144 dpi
3.5"	3.93 x 1.94 x 0.50 inch	3.1 x 1.5 inch	384 x 180	120 dpi
4.2"	3.82 x 3.24 x 0.53 inch	3.3 x 2.5 inch	400 x 300	120 dpi
4.3"	5.07 x 1.65 x 0.50 inch	4.14 x 1.20 inch	522 x 152	125 dpi
5.8"	6.54 x 2.59 x 0.52 inch	1.87 x 5.47 inch	792 x 272	145 dpi
6.1"	5.24 x 4.33 x 0.58 inch	4.68 x 3.47 inch	648 x 480	138 dpi
7.5"	4.89 x 7.30 x 0.58 inch	6.4 x 3.8 inch	800 x 480	126 dpi
9.7"	6.62 x 8.82 x 0.58 inch	5.55 x 7.93 inch	672 x 960	121 dpi
11.6"	7.49 x 10.54 x 0.58 inch	6.4 x 9.62 inch	640 x 960	100 dpi
12.2"	8.50 x 10.23 x 0.58 inch	7.48 x 9.35 inch	768 x 960	103dpi

Newton PLAY

Unveil Possibilities Beyond Imagination

Welcome to a world where retail transcends boundaries and imagination takes center stage. Prepare to be captivated by Newton Play, the groundbreaking fusion of Newton ESL and Newton Signage that's set to revolutionize the retail landscape. A symphony of innovation and immersion, Newton Play brings together button-driven magic and vibrant visual displays to create an unparalleled shopping experience that will leave you in awe.

Newton Play isn't just a product; it's a revolution in retail engagement. Imagine the power of a touch transforming shopping into an interactive adventure. With Newton Play, each button press becomes a gateway to a world of information, emotion, and engagement. Seamlessly merging button functionality and high-resolution monitors, it's a masterpiece that blurs the line between reality and technology, captivating your senses and redefining what's possible in retail.

What's more is that Newton Play empowers you to reimagine brand storytelling, creating emotional connections through interactive displays that respond to a touch of a button. Be the maestro of promotions, orchestrating captivating visuals and messages on the monitor to draw customers into your world. Transform product information into an art form, using buttons to unveil details, features, and benefits that ignite confidence and informed decisions.

Step into the future of retail with Newton Play. Elevate your store, captivate your customers, and create experiences that echo beyond the present moment. Unleash the wow factor that will redefine your brand and engage customers like never before. This is more than retail; this is Newton Play – where imagination meets innovation.



Features

Interactive Button Functionality

Elevate engagement with easy interaction. Newton Play's buttons let customers access information, promotions, and content instantly, turning shopping into an immersive experience.

Vibrant Monitor Display

Capture attention with vibrant visuals. Newton Play's high-res monitor brings brand stories and promotions to life, making your store a captivating experience.

Back Office Integration

Stay consistent effortlessly. Newton Play syncs seamlessly with your systems, ensuring accurate, real-time information on the monitor for a streamlined experience.

Configurability

Tailor to your brand's essence. Customize buttons and content to create unique interactions that resonate, making every touch unforgettable.

Real-Time Update

Stay current effortlessly. Newton Play keeps displayed info accurate and up-to-date, empowering customers with the latest insights for confident decisions.

Comprehensive Solution

Simplify with one powerful solution. Newton Play combines ESL tech with buttons, providing a complete toolset to elevate your retail environment.



Newton DUAL

Two Screens,
Infinite Possibilities.

Harness the power of two screens with Newton Dual, the ultimate dynamic display solution. With its innovative dual-screen design, real-time updates, and interactive features, Newton Dual transforms customer engagement like no other. Embrace the power of immersion as conventional displays become a thing of the past, captivating your audience like never before and propelling your retail success to new heights.

Revolutionize the way you communicate with customers. Supported by the most cutting-edge technology, you can now display timely price updates, product information, launch promotions, and even bring life interactive product demonstrations all across your store. Providing your customers with an immersive experience that enhances customer understanding and excitement.



With Newton Dual, your business becomes a dynamic hub of information, enticing shoppers to explore and make informed choices.

And finally, make every moment count with Newton Dual. Deploy these state-of-the-art labels near cash registers to captivate customers during their final purchasing moments. Showcase complementary products, exclusive offers, or personalized recommendations to increase average order value and encourage repeat business. With Newton Dual, your store becomes a captivating and interactive destination, leaving customers eager to return for more



Versatile Sizes
and Colors



Powered by
Newton Protocol



Interactive Programmable
Buttons



Extended
Battery Life

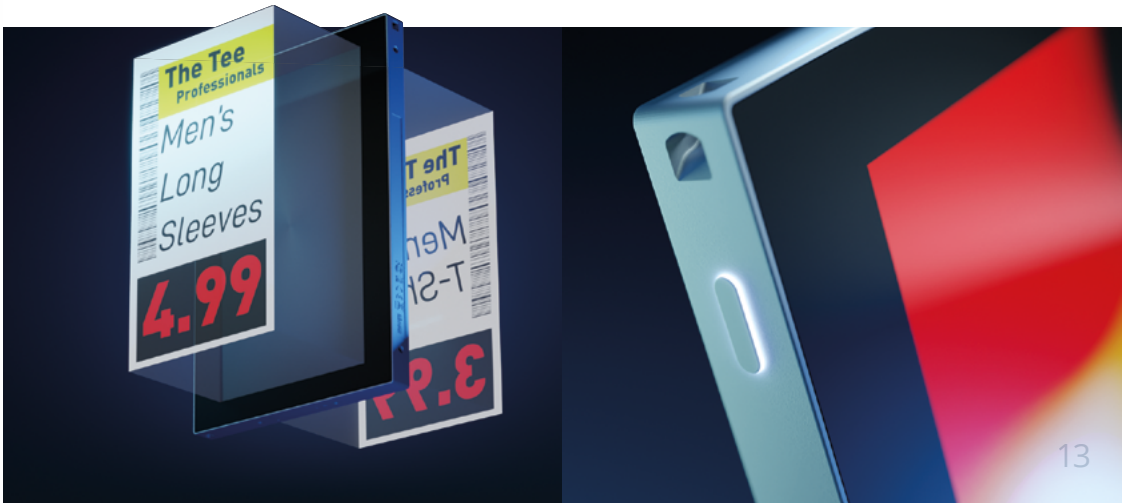


Blinking LED
Technology



Technical Specifications

MODEL	8.2 INCH	11.6 INCH
DIMENSION	208.45 x 139.73 x 13.50 mm / 8.20 x 5.50 x 0.53 inch	269.10 x 191.80 x 13.80 mm / 10.60 x 7.55 x 0.53 inch
ACTIVE DISPLAY AREA	101.38 x 180.23 mm / 6.4 x 3.8 inch	244.51 x 163.01 mm / 9.63 x 6.42 inch
RESOLUTION (PIXEL)	1024 x 576	640 x 960
PIXEL DENSITY	144 dpi	100 dpi
DISPLAY TECHNOLOGY	Full Graphic E-ink Display	Full Graphic E-ink Display
BEZEL COLOR	White / Black / Customizable Colors (Optional)	White / Black / Customizable Colors (Optional)
PIXEL COLORS	BWRY (Black, White, Red, Yellow)	BWR (Black, White, Red)
VIEWING ANGLE	Nearly 180°	Nearly 180°



Newton LITE

Much of the retail landscape is driven by digital invention and innovation. As more and more people are connected by technology, it's imperative to invest in a solution that can adapt to their expectations while achieving cost-efficiency in the process.

SOLUM introduces Newton LITE – our most compact ESL lineup designed to be your stepping stone towards retail digitization. Offering the same advanced features as Newton, Newton LITE is SOLUM's most cost-effective ESL especially designed for retailers and businesses new to the ESL technology. Available in 5 sizes, Newton LITE guarantees a no-frills ESL experience both for your customers and staff.

With Newton LITE, your retail operations can achieve efficiency through automation, reach a new level of profitability – without burning your pockets. Make the switch now, transform your operations with Newton LITE.



Key Features

10x 10x Updated Speed

7 7-Color LED

Protection Cover

N NFC Capability

Location-based System (LBS) Enabled

Splash and dustproof (IP55)

Unique Shelf Security Mechanism





Slim Sticker Bezel

Label Positioning for Smarter Operations

Powerful + Compact Battery

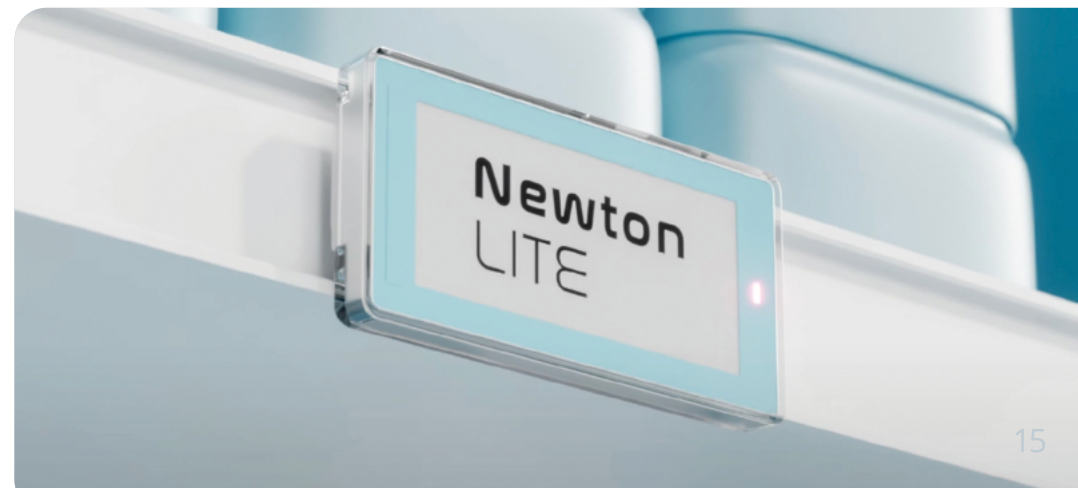
Screen Protection

Tech Specifications

	1.6"	Dimension 37.12 × 46.81 × 14.00 mm 1.46 × 1.84 × 0.55 inch	Active Display Area 26.8 × 26.8 mm 1.05 × 1.05 inch	Resolution 200 × 200 pixels	Pixel density 184 dpi
	2.2"	Dimension 71.22 × 37.21 × 14.00 mm 2.80 × 1.46 × 0.55 inch	Active Display Area 48.35 × 23.50 mm 1.90 × 0.92 inch	Resolution 250 × 122 pixels	Pixel density 130 dpi
	2.6"	Dimension 80.27 × 43.03 × 14.00 mm 3.16 × 1.69 × 0.55 inch	Active Display Area 59.85 × 30.49 mm 2.36 × 1.20 inch	Resolution 360 × 184 pixels	Pixel density 152 dpi
	2.9"	Dimension 87.48 × 43.03 × 14.00 mm 3.44 × 1.69 × 0.55 inch	Active Display Area 67.38 × 29.37 mm 2.65 × 1.15 inch	Resolution 384 × 168 pixels	Pixel density 144 dpi

Display Technology	Full Graphic E-ink Display
Bezel Color	White / Black / Customizable Colors (Optional)
Pixel Colors	BW / BWR / BWY
Viewing Angle	Nearly 180°
Usable Pages	Up to 7 pages * Optional NFC Remote Controller is Required

* This specification may varies depending on the installation environment and user scenario.



Experience a more seamless itemized product labeling with Newton X. This latest innovation from SOLUM puts Newton's unparalleled power and speed in an extremely lightweight and compact package – truly the world's smallest ESL.

With Newton X, you can finally digitize the labels of your smaller, fragile, and more delicate products. From eyeglasses, fashion items such as shoes and bags, to furniture and home décor – Newton X blends into any items seamlessly and transforms your product labeling operations to a premium customer experience.

Thanks to its integrated button, Location-Based Services, and 7-color LED, you can also use Newton X to boost your store promotions and to make your product inventory management more efficient than ever before.

Elevate your business with this latest ESL innovation from SOLUM. Make your product labeling operations seamless with Newton X.

Achieve



The same real-time update speed and powerful features of Newton.



Seamless and discrete labeling of smaller, delicate, and premium products.



More flexible deployment in various retail sections.



Better in-store promotion campaigns and product inventory management.

Features

- Ultra-small size range
- 10x 10x Update Speed
- 7-color LED
- NFC capability
- 5-7 Year Battery Life
- Location-Based Services (LBS) Enable
- Unique Shelf Security Mechanism
- Customizable design
- Collision-free communication
- Auto channel selection
- Powerful Aims software deployable on Site, Cloud, and as SaaS



Tech Specifications

	1.0" EL010H3BRD/WWW	1.3" EL013HEWRD/WWW	2.2"
Dimension	1.88 x 0.69 x 0.35 inch	1.13 x 2.80 x 0.23 inch	1.46 x 2.66 x 0.27 inch
Active Display Area	0.88 x 0.42 inch	0.76 x 1.06 inch	1.02 x 1.89 inch
Resolution	184 x 88 px	144 x 200 px	296 x 160 px
Pixel Density	210 dpi	188 dpi	156 dpi
Display Technology	Full Graphic E-ink Display	Full Graphic E-ink Display	Full Graphic E-ink Display
Pixel Colors	BWR	BWR	BWR
Viewing Angle	Nearly 180°	Nearly 180°	Nearly 180°
Usable pages	3 pages	7 pages	7 pages

Newton Link

Simplify your manual and complex processes with Newton Link. This new ESL line from SOLUM is designed for quick deployment and management using Bluetooth connectivity as its main communication protocol. This means that it doesn't require any special IT infrastructure to use. Instead, Newton Link labels are managed through a mobile app, making it a highly feasible ESL solution for small business owners.

The app, called Aims Link, is designed for ease of use – enabling your staff to manage the labels on the go. From creating and selecting new display layouts to changing the product information and enabling LED blinking for sales promotions, Newton Link provides all the features you need to make your shelf labeling process simpler and more efficient than ever.

Newton Link comes in 10 sizes and with various accessories, allowing you to use it for a wide range of use cases. Whether as digital signage for your car dealership, as a menu card for your café and restaurant, signage for an artwork in a gallery or museum, or simply an ESL for your growing small business – Newton Link is a flexible solution that can adapt easily to your business needs.

Experience a new level of efficiency with SOLUM. Simplify your business with Newton Link.

Achieve



Faster deployment compared to traditional ESL systems.



Flexible application across small business environments.



Contactless information sharing and label interaction via Bluetooth connectivity, ideal for today's pandemic situation.



Clearer and more precise display compared to paper-based signage and labels.

Features



Bluetooth Low-Energy



E-paper display



7-Color LED



Same slim profile design as Newton



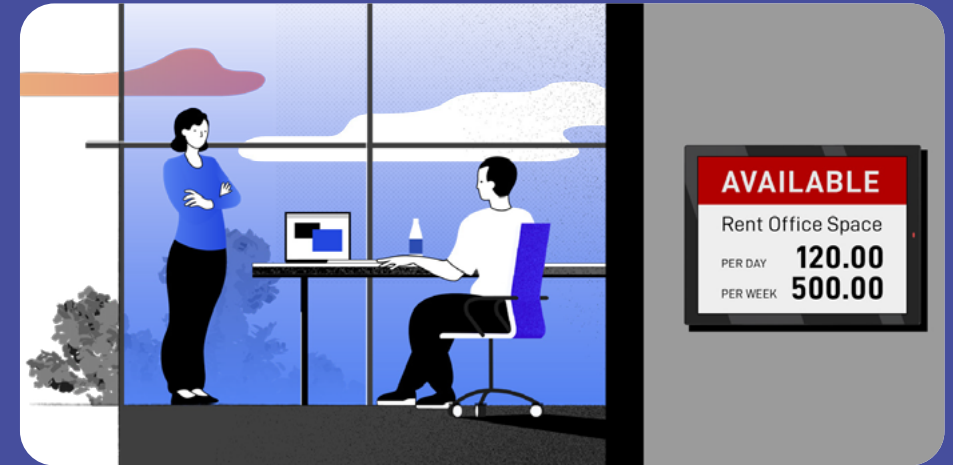
5-year battery life



Available in 10 sizes – from 1.6" to 11.6"

Use Cases

With Newton Link's tons of use cases, it can easily adapt to any business environment. From co-working spaces to restaurants, Newton Link's flexibility is limitless.



Digital Schedule Signage in Shared Offices



Digitized Menu Card for Cafe and Restaurants



Promotional Signage at Car Dealerships

Newton GATEWAY

Newton USB GATEWAY



Gateways are paramount in making the entire Newton system work. Available in a standard Gateway and as a USB device, the Gateways act as the access point that sends data from your server to the ESLs. From prices, product information, to images and inventory updates – our Gateways ensure a lightning-speed data transmission regardless of your business environment.

The standard Newton Gateway is equipped with a digital numbering system so you can quickly identify them across your premises. It has a coverage of up to 30 feet in radius. It can support up to 50,000 labels, making it the most cost-efficient ESL gateway in the market. If you have an existing gateway, you can opt for SOLUM USB Gateway, which offers additional capacity, memory, and range for your growing business.







With Newton Gateway and Newton USB Gateway, you can take advantage of SOLUM electronic shelf labels to the fullest. Made by SOLUM, exclusively for you. Experience faster operations, take control of your labels with Newton Gateways.



Tech Specifications

Newton Gateway

Newton USB Gateway

 Capacity	50,000 labels	50,000 labels
 Communication radius	30m / 98ft	25m / 82ft
 Flash memory	4GB	4GB
 RAM	1GB	512MB
 Power consumption	10W	2.5W
 Interface	Ethernet	USB

Benefits



Lightning-fast data transfer



60 RF Channels



50,000 labels capacity



Easy deployment and integration



Aims

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

Aims can be deployed in three environments – Site, Cloud, and as Software as a Service (SaaS). All these options can be connected to all existing data sources relevant to your intended use of our ESL solutions. All while providing easy-to-use controls for commands such as price updates, stock replenishment, or locating distinct items in your business facility.

From activating store promos to managing industrial warehouse and manufacturing operations, Aims Software is a holistic platform that powers our ESL solutions. With Aims, you can get the most of our ESL solutions, resulting in increased business productivity and maximized return on investment.

Components of Aims



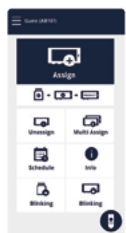
Aims Dashboard

Central monitoring dashboard displays real-time information about the labels, gateways, server, and network.



Aims Layout Designer

An easy-to-use tool that allows you to design the layout of your ESLs.



Aims Manager

A web-based or mobile-based app that allows your staff to control and manage your ESLs directly from the shelves.



System Core and Portal

The back-end system that facilitates communication between all the hardware, software, and servers connected to your business.

Select from three deployment options

Aims Site

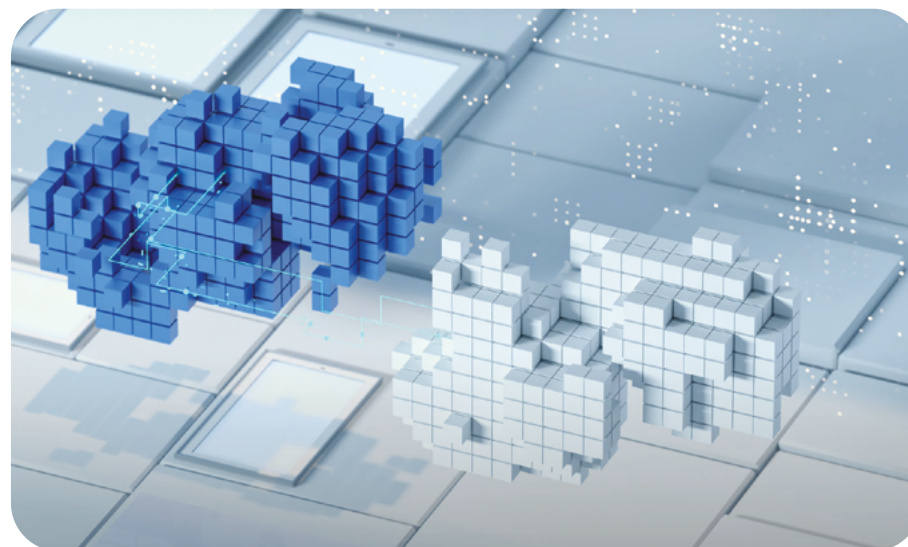
A solid and reliable option for businesses that require independent ESL operations.

Aims Cloud

A flexible and robust solution that can be deployed in your own central data center, a private cloud, or public cloud services such as Microsoft Azure, Amazon Web Services, or Google Cloud.

Aims SaaS

Hosted on SOLUM's Cloud Platform using Microsoft Azure service, Aims SaaS allows you to deploy Aims more quickly at a lower cost.



Why Aims?



Real-Time Monitoring

React and adjust your resources and processes quickly when necessary.



Security

Aims is equipped with multiple authentications and encryption protocols to ensure maximum data security between your labels, gateways, and servers.



Scalability

The modular architecture of Aims makes it possible to integrate with your legacy systems and other critical IT solutions through REST API.