

Electronic Shelf Labels



The future is now!

Your Full-Service Partner

From Planning to Realisation



Consultation



Needs Analysis



Planning



Integration



After Sales

Who is troniTAG?

**troniTAG is your partner for the conversion to digital signage:
From retail to industry, we are your full-service partner!**

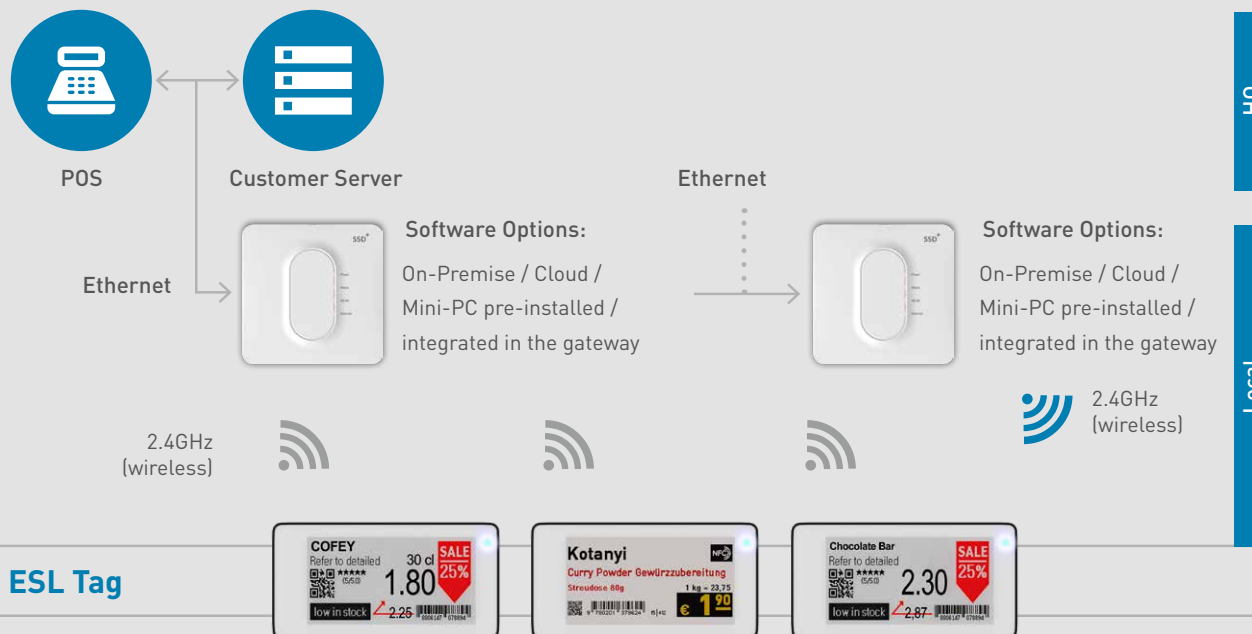
- Full-service provider with various ESL systems, programming, services and fixings.
- Around 20 years of experience in the field of digital signage.
- We will support you with our expertise and good ideas in the realisation of your projects.
- Integration of our systems into your existing data landscape.

What makes troniTAG special?

- Solutions for all applications without running costs, whether for retail, industry or hotels and catering.
- Multi-system provider: We have the right solution for every area of application, from digital routing slips and electronic price tags to digital door signs.
- Customised ESL solutions that are perfectly tailored to your needs.
- Fixings from our own production.
- troniTAG is part of the VKF group of companies, which has been firmly established on the market for 40 years.
- We accompany you on your path to digitalisation from over 20 locations worldwide.



On-Premise System



Digitalisation

Leading instead of following!



Realtime Update

- Data is automatically transferred to the label:
 - Errors are avoided
 - Processes are accelerated
- New texts and graphics can be transmitted wirelessly and encrypted at any time, for displaying your:
 - Information
 - Prices
 - Inventory levels
 - Manufacturing processes
 - Warning notices and much more



Central Control

- Connected to your ERP software or software landscape
- System monitoring and control for multiple locations, from a central place
- Reliable radio communication
- Even in the event of a total failure of all systems, the last uploaded data is permanently displayed



Low Investment Requirements

You can rely on our support!

ZB Series - The Modern



ZB Features



**Slim design from
9.5 mm**



Adjustable LED



NFC

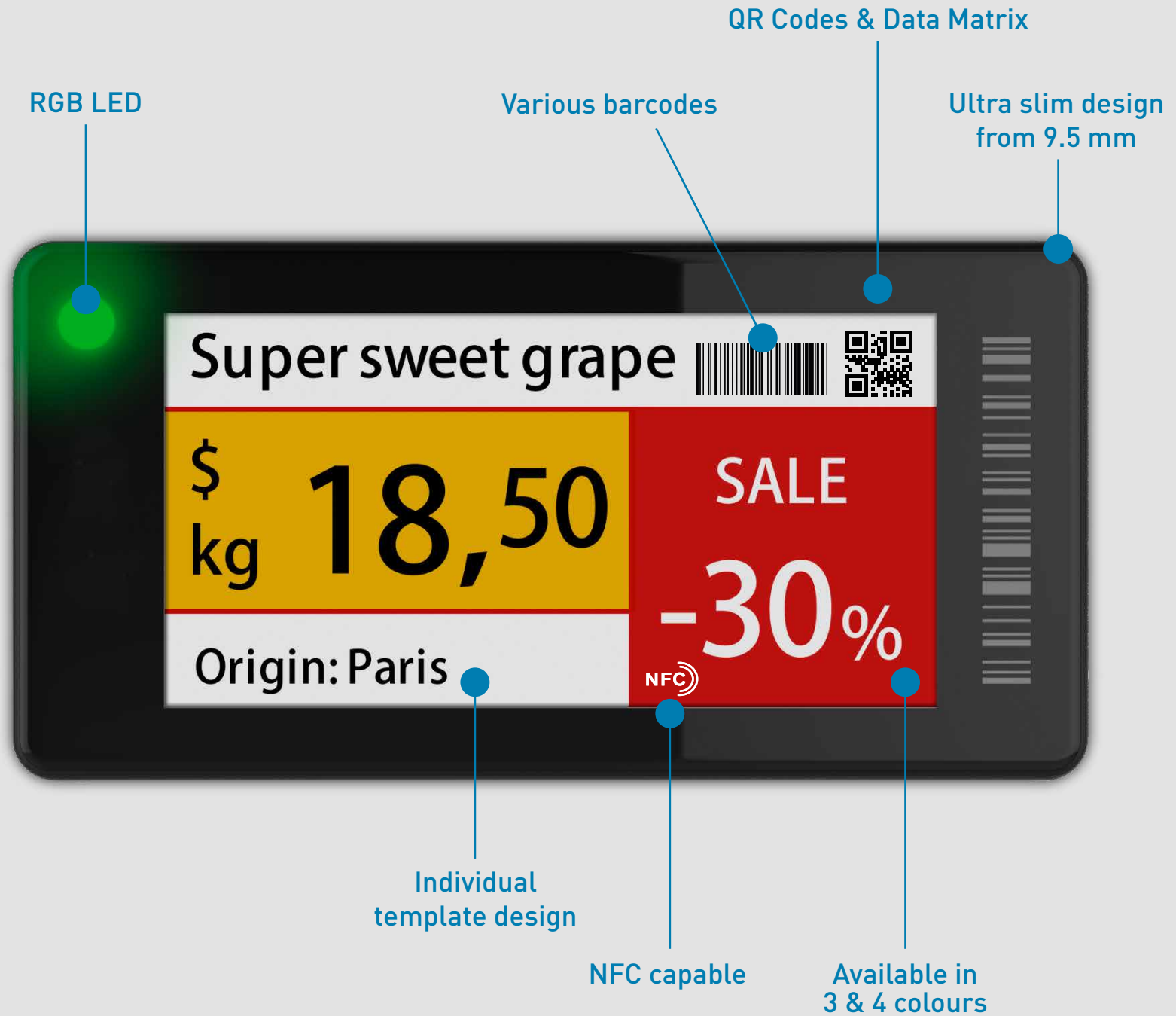


Without running costs

Our ZB Series

The ZB Series represents our slimmest range, boasting a sleek black design with a thickness of just 9.5 mm. Thanks to the latest technology and built-in LED, the ZB Series shines in almost any application area, whether in a pharmacy, boutique or industrial use. You have the choice of whether to use our external cloud for the operation of the ESL labels or install it on your own servers.

- Can be used without running costs
- Rounded front screen
- Recording via NFC possible (industrial use)
- 2.4 GHz low energy radio
- Supports NFC and QR code
- RGB LED
- ePaper display technology
- Temperature range from -25 °C to 40 °C
- Battery life up to 5 years
- Encrypted bidirectional transmission
- Automatic battery and system monitoring
- Extensive range of accessories



ZB Series - At a Glance



C18ZB



C21ZB



C26ZB











C29ZB



C42ZB

You can find further label sizes
in the adjacent table.

Technical Details

								
C18ZB	54.2 x 36.9 x 9.9	224 x 168 36.1 x 27.1	B/W/R & B/W/R/Y	158 dpi	1x CR2450	✓	0-40 °C	✓
C21ZB	71 x 34.7 x 9.5	250 x 122 48.6 x 23.7	B/W/R & B/W/R/Y	130 dpi	2x CR2450	✓	0-40 °C	✓
C26ZB	85 x 41 x 9.5	296 x 152 60.1 x 30.7	B/W/R & B/W/R/Y	125 dpi	2x CR2450	✓	0-40 °C	✓
C29ZB	92 x 41.5 x 9.5	296 x 128 66.9 x 29.1	B/W/R & B/W/R/Y	112 dpi	2x CR2450	✓	0-40 °C	✓
C35ZB	101.5 x 50 x 11.8	384 x 184 79.7 x 38.2	B/W/R & B/W/R/Y	122 dpi	2x CR2450	✓	0-40 °C	✓
C42ZB	103.6 x 87 x 10.3	400 x 300 84.8 x 63.6	B/W/R & B/W/R/Y	119 dpi	2x CR2450	✓	0-40 °C	✓
C43ZB	129.7 x 41.3 x 9	522 x 152 105.4 x 30.7	B/W/R & B/W/R/Y	125 dpi	3x CR2430	✓	0-40 °C	✓
C58ZB	132 x 109 x 13	648 x 480 118.8 x 88.2	B/W/R & B/W/R/Y	138 dpi	4x CR2450	✓	0-40 °C	✓
C75ZB	176.8 x 124.3 x 13	800 x 480 163.2 x 97.9	B/W/R & B/W/R/Y	124 dpi	4x CR2450	✓	0-40 °C	✓
C21ZF	70 x 34.5 x 12.5	212 x 104 48.6 x 23.7	B/W/R & B/W/R/Y	110 dpi	1x Soft-Pack	✓	-25-10°C	✓
C26ZF	83 x 41 x 12.4	296 x 152 60.1 x 30.7	B/W/R & B/W/R/Y	125 dpi	1x Soft-Pack	✓	-25-10°C	✓

B / W / R / G / BL / Y / O = black, white, red, green, blue, yellow, orange



Overall size (mm)



Display size (px)



Display colours

dpi

Resolution



Power supply | up to 5 years | exchangeable



NFC



Ambient temperature

LED

LED

ZV Series - The Classic



ZV Features



Low-reflection



Adjustable LED



NFC



Without running costs

Our ZV Series

The classic among electronic labels is the ZV Series. It meets the technological and optical demands of a contemporary ESL system and thus forms the basis of our products. Thanks to the cost-effective design without a front screen, this series is particularly popular in applications where a low-reflection and easily readable display is important. Technologically, it corresponds to the ZB Series and can also be used in conjunction with it.

- Can be used without running costs
- Low reflection without front screen
- Recording via NFC possible (industrial use)
- 2.4 GHz low energy radio
- Supports NFC and QR code
- RGB LED
- ePaper display technology
- Temperature range from -25 °C to 40 °C
- Battery life up to 5 years
- Encrypted bidirectional transmission
- Automatic battery and system monitoring
- Extensive range of accessories

RGB LED

Available in
3 & 4 colours

Individual
template design



QR Codes & Data Matrix

NFC capable

Various barcodes

Better readability due to
low-reflection design

ZV Series - At a glance



C15ZV



C21ZV



C26ZV



C29ZV



C42ZV











C21ZF



C26ZF

You can find further label sizes in the adjacent table.

Technische Details

								
C15ZV	44.5 x 35.9 x 12.1	200 x 200 27 x 27	B/W/R & B/W/R/Y	188 dpi	1x CR2450	✓	0-40 °C	✓
C18ZV	52.5 x 35.9 x 10.5	224 x 168 36.1 x 27.1	B/W/R & B/W/R/Y	158 dpi	1x CR2450	✓	0-40 °C	✓
C21ZV	70 x 34.5 x 12.1	250 x 122 48.6 x 23.7	B/W/R & B/W/R/Y	130 dpi	2x CR2450	✓	0-40 °C	✓
C26ZV	83 x 41 x 12.1	296 x 152 60.1 x 30.7	B/W/R & B/W/R/Y	125 dpi	2x CR2450	✓	0-40 °C	✓
C29ZV	90 x 41 x 12.1	296 x 128 66.9 x 29.1	B/W/R & B/W/R/Y	112 dpi	2x CR2450	✓	0-40 °C	✓
C37ZV	103.6 x 57 x 11.2	416 x 240 81.5 x 47	B/W/R & B/W/R/Y	129 dpi	2x CR2450	✓	0-40 °C	✓
C42ZV	104.8 x 87 x 12.8	400 x 300 84.8 x 63.6	B/W/R & B/W/R/Y	119 dpi	2x CR2450	✓	0-40 °C	✓
C58ZV	135.4 x 110 x 9	648 x 480 118.8 x 88.2	B/W/R & B/W/R/Y	138 dpi	4x CR2430	✓	0-40 °C	✓
C75ZV	180.8 x 121.8 x 9	800 x 480 163.2 x 97.9	B/W/R & B/W/R/Y	124 dpi	4x CR2430	✓	0-40 °C	✓
C102ZV	235 x 173 x 9.5	960 x 640 215.5 x 143.7	B/W/R & B/W/R/Y	113 dpi	4x CR2430	✓	0-40 °C	✓
C116ZV	266.3 x 190 x 9	960 x 640 244.5 x 163	B/W/R & B/W/R/Y	100 dpi	4x CR2430	✓	0-40 °C	✓
C133ZV	298.3 x 225.5 x 9.5	960 x 680 275.5 x 195.2	B/W/R & B/W/R/Y	88 dpi	4x CR2430	✓	0-40 °C	✓
E58ZV	135.4 x 110 x 9	600 x 448 114.9 x 85.8	BW-RGB-YO	132 dpi	4x CR2340	✓	10-40 °C	✓
C21ZF	70 x 34.5 x 12.5	212 x 104 48.6 x 23.7	B / W	110 dpi	1x Soft-Pack	✓	-25-10 °C	✓
C26ZF	83 x 41 x 12.4	296 x 152 60.1 x 30.7	B / W	125 dpi	1x Soft-Pack	✓	-25-10 °C	✓

B / W / R / G / BL / Y / O = black, white, red, green, blue, yellow, orange



Overall size (mm)



Display size (px)



Display colours

dpi

Resolution



Power supply | up to 5 years | exchangeable



NFC



Ambient temperature

LED

LED

AIR Series - The Robust



AIR Features



2 programmable buttons



Adjustable LED



NFC



Without running costs

Our AIR Series

Our Air series is characterised by its modern yet robust design. Thus, this series has a wide range of applications and can demonstrate its strengths almost anywhere. You have the choice whether you want to use the software on your own infrastructure or whether you want to use our smart Gen2 Plus Gateway with pre-installed software. The gateway enables an easy installation, which you can carry out cost-effectively yourself.

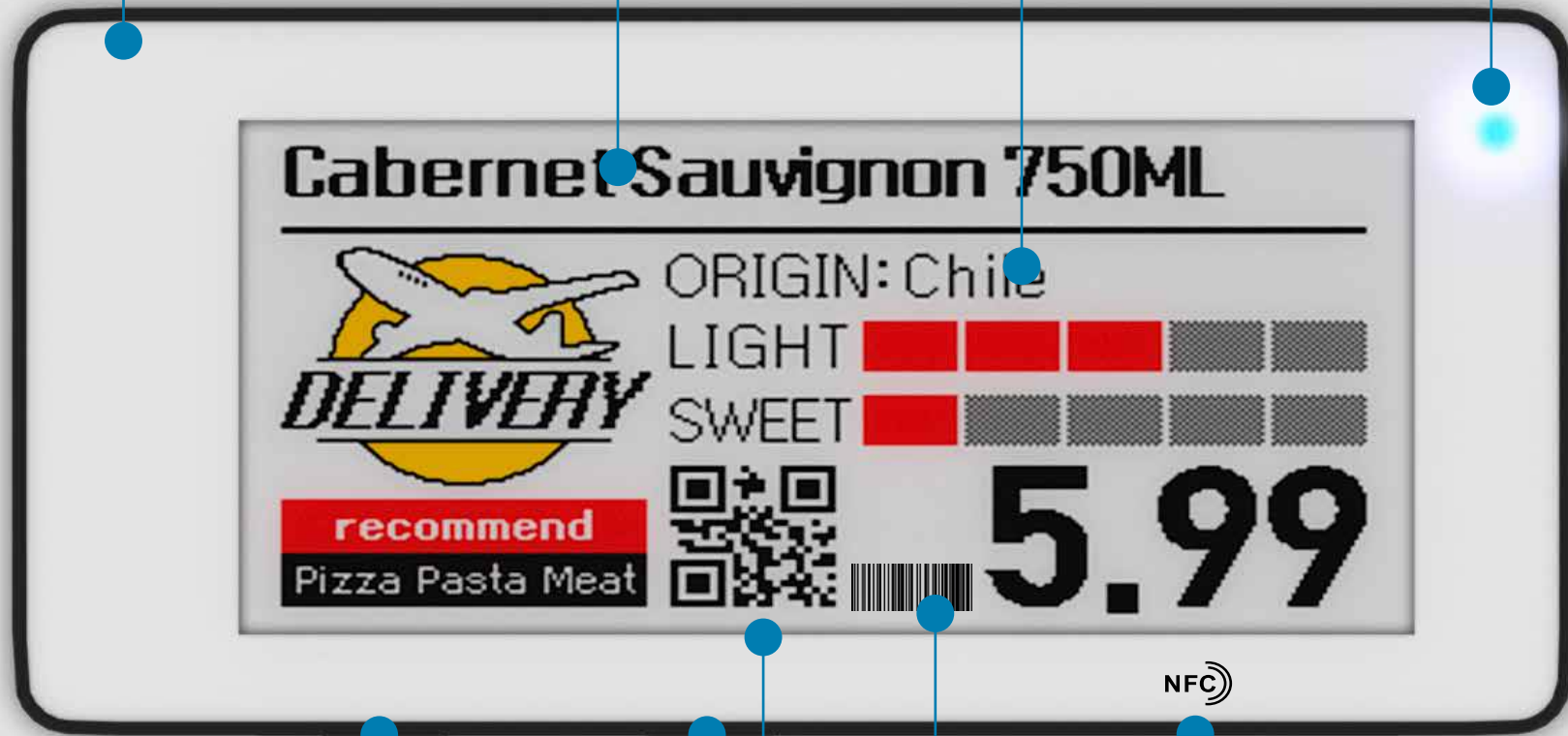
- Can be used without running costs
- Rounded front screen
- 2 freely programmable buttons
- ZigBee wireless technology
- Supports NFC and QR code
- RGB LED
- ePaper display technology
- Temperature range from -25 °C to 40 °C
- Battery life up to 5 years
- Encrypted bidirectional transmission
- Automatic battery and system monitoring
- Extensive range of accessories

Modern black frame

Individual template design

Available in 3 & 4 colours

7 colour LED



Programmable buttons

QR Codes & Data Matrix

Various barcodes

NFC

NFC capable

AIR Series - At a Glance



AIR13H



AIR15



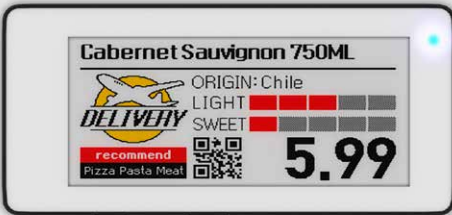
AIR21



AIR26



AIR26F



AIR29



AIR29F



AIR42









AIR58



AIR75

You can find further label sizes in the adjacent table.

Technical Details

				dpi				LED
AIR13H	28.8 x 60.5 x 5.9	200 x 144 19.44 x 27	B/W/R & B/W/R/Y	188 dpi	1x CR2430	✓	0-40 °C	✓
AIR15	37 x 46.7 x 13	200 x 200 27 x 27	B/W/R & B/W/R/Y	188 dpi	1x CR2450	✓	0-40 °C	✓
AIR21	68.7 x 37 x 13	250 x 122 48.6 x 23.7	B/W/R & B/W/R/Y	131 dpi	2x CR2450	✓	0-40 °C	✓
AIR26	81.2 x 41.5 x 13	296 x 152 60.1 x 30.7	B/W/R & B/W/R/Y	125 dpi	2x CR2450	✓	0-40 °C	✓
AIR29	88.5 x 41.9 x 13	296 x 128 66.9 x 29.1	B/W/R & B/W/R/Y	112 dpi	2x CR2450	✓	0-40 °C	✓
AIR42	96.2 x 88.6 x 14	400 x 300 84.8 x 63.6	B/W/R & B/W/R/Y	119 dpi	3x CR2450	✓	0-40 °C	✓
AIR58	130.6 x 108.8 x 14	648 x 480 118.8 x 88.2	B/W/R & B/W/R/Y	138 dpi	3x CR2450	✓	0-40 °C	✓
AIR75	121.5 x 163.2 x 15	800 x 480 163.2 x 97.9	B/W/R & B/W/R/Y	124 dpi	3x CR2450	✓	0-40 °C	✓
BL125	293.6 x 231.5 x 18	1304 x 984 252.9 x 190	B/W/R & B/W/R/Y	131 dpi	4x 2x AAAA	✓	0-40 °C	✓
AIR26F	81.2 x 41.5 x 13	296 x 152 60.1 x 30.7	B / W	125 dpi	2x CR2450	✓	-25-10 °C	✓
AIR29F	88.5 x 41.9 x 13	296 x 128 66.9 x 29.1	B / W	111 dpi	2x CR2450	✓	-25-10 °C	✓

B / W / R / G / BL / Y / O = black, white, red, green, blue, yellow, orange



Overall size (mm)



Display size (px)



Display colours

dpi

Resolution



Power supply | up to 5 years | exchangeable



NFC



Ambient temperature

LED

LED

LCD Vision



LCD Vision Features



Wireless management



Full colour display



Video content



Android compatible





Our LCD Vision Series

The Vision series includes our revolutionary LCD rail system and LCD bar-type displays, which are ideally suited for placement on shelves due to their long and narrow shape. These displays attract attention and require little space on the shelf front.

With our LCD screens, you have the opportunity to expand the ePaper-based ESL system with illuminated displays, animated information or full-colour videos. Here too, control is via the ESL software. The content is automatically generated via the database and software.

- Rail system for vertical and horizontal installation
- Special display formats
- Database-crashed moving content
- Android compatible
- Various sizes on request

Technical Details

				
Vision 231	597.4 x 60.4 x 15.8	1920 x 158 585.6 x 48.1	True Color	83 dpi
Vision 290	739.4 x 237.4 x 29.1	1920 x 540 700.8 x 198.5	True Color	69 dpi
Vision 346	899.5 x 93.5 x 19	1920 x 540 878.1 x 74.1	True Color	56 dpi
Vision 350	891.6 x 60.4 x 15.8	2880 x 158 878.4 x 48.1	True Color	83 dpi
Vision R101S	243 x 152.1 x 14	1280 x 800 216.5 x 135.3	True Color	150 dpi
Vision R101D	243 x 150.1 x 14	1280 x 800 216.5 x 135.3	True Color	150 dpi

Other sizes available on request!



Overall size (mm)



Display size (px)



Display colours

dpi

Resolution

Retail



Advantages at a Glance



Up-to-date products
and prices



Future-proof
investment



Centralised control
and monitoring

Our Solution for the Retail Sector

Electronic price tags in brick-and-mortar retail reduce costs, create transparency, and minimise errors. Say goodbye to time-consuming paper labels and incorrect prices at the checkout.

Thanks to energy-saving ePaper display technology, the displays are easy to read in any light. With systems from troniTAG, you can plan and control price changes in advance.

The switch occurs in seconds and guarantees price consistency between the checkout and the shelf.

Offer your customers additional information such as customer reviews, test results, and sales rankings via the label. In this way, the online shopping experience is brought into the store.

Advantages of Electronic Labels:

- Up-to-date products and prices
- Barcode, NFC and QR supported
- Customised template design
- Time saving
- Event-driven customisation
- Professional & modern price labelling



Our Solutions for Pharmacies

Digital price tags in pharmacies minimise maintenance effort and allow for quick price adjustments. They also reduce the maintenance workload for your staff, thus freeing up more time for customer consultation.

The multitude of different shelf types in pharmacies and the associated attachment issues are no problem due to our long-standing experience in this field.

We are happy to offer you the appropriate system of label sizes and attachments for your shelves, bins, displays and shop windows.

Advantages of Electronic Labels:

- Reduced workload for staff
- Modern appearance
- Connection to existing merchandise management system
- Compliance with labelling regulations
- Improvement of the shopping experience
- Interaction through NFC or QR codes

Advantages at a Glance



Compliance with the labelling regulations



Reduced labour requirements

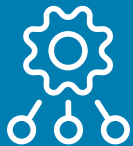


Simple connection to pharmacist software

Industry



Advantages at a Glance



Digitalisation of workflows



Digital routing slip



Display of real-time data

Our Solution for Industry 4.0

Digital labels assist you in optimising your production processes, thereby helping to reduce time and costs in production. With the systems from troniTAG, you can centrally control data and transfer it to the electronic labels in a matter of seconds.

Especially in industrial environments, where processes must run seamlessly and synchronously, precise up-to-the-second information is crucial for employees to ensure a smooth and efficient production.

Advantages of Digital Signage:

- Pick-by-Light function
- NFC & QR code capable
- Encrypted transmission
- Display of real-time data
- Digitalisation of processes and instructions
- Very low power consumption



Logistics

Our Solution for Logistics

In logistics, digital labels offer significant advantages through the possibility of their flexible and dynamic labelling.

They enable a quick and easy updating of data at storage locations as well as Kanban cards and load carriers. Additionally, features such as Pick-by-Light assist you in making your picking processes more efficient and reducing errors.

Digital warehouse signs thus contribute to making the entire logistics process smoother and more productive!

Advantages of Digital Signage:

- Pick-by-Light function
- NFC & QR code capable
- Encrypted transmission
- Paperless material and information flow
- Employee support

Advantages at a Glance



Dynamic warehouse labelling



Pick-by-Light



Inventory monitoring and inventory mode

Meetings & Events



Advantages at a Glance



Wireless



Can be connected to existing systems



Flexible; customisable design

Our Solution for Meeting Rooms & Events

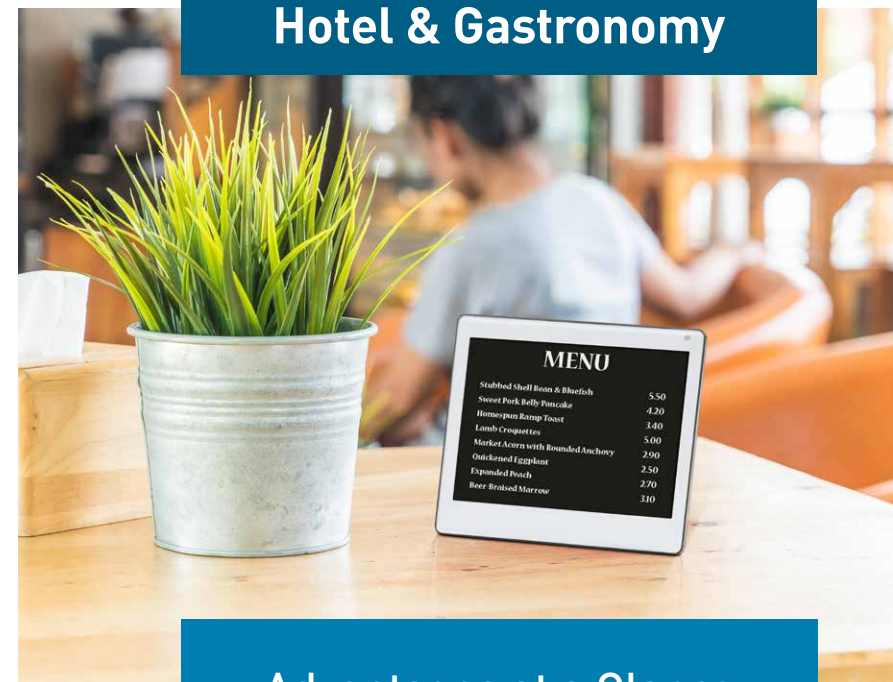
The scope of use for centrally controlled ePaper displays is virtually limitless. They create a modern appearance and help to keep information up-to-date at all times.

For meetings and conferences, for example, we offer room signs and table signs with automatic participant placement. Our range also includes special ePaper displays that can be comfortably worn around the neck, making them particularly suitable for use at exhibitions.

Digital displays enable you to present important information flexibly and professionally - in real time and fail-safe. Thanks to our diverse range, which includes up to 7-colour ePaper screens, special formats and classic LCD screens, we have many possibilities to digitise existing applications or to optimise processes.

Advantages of Digital Signage:

- Dynamic content
- Can be connected to existing systems
- Innovative and modern appearance
- Centralised and time-controlled content
- Battery operated



Hotel & Gastronomy

Our Solutions for Gastronomy

We offer versatile solutions to support you with our digital ePaper signs in the Hotel & Gastronomy sector. Our electronic signs are ideally suited for labelling your meeting rooms, guest rooms or for displaying daily dishes or dishes at the buffet. Thanks to QR and NFC, your guests can even directly retrieve further information such as allergens from the label. In addition, digitisation in the hotel and catering sector brings economic benefits, such as targeted promotion of dishes and food.

We are happy to inform you about our extensive range of table signs, wall signs, digital name badges, LCD screens and digital info stands, all of which can be controlled with our system.

Our solutions optimise your communication processes and ensure a uniform, professional appearance.

Advantages of Digital Signage:

- Act more flexibly and save time with dynamic signage
- Can be connected to existing systems
- Easy to install with intuitive operation
- Schedule content in advance from anywhere
- Battery operated

Advantages at a Glance



QR code & NFC for further information such as allergens

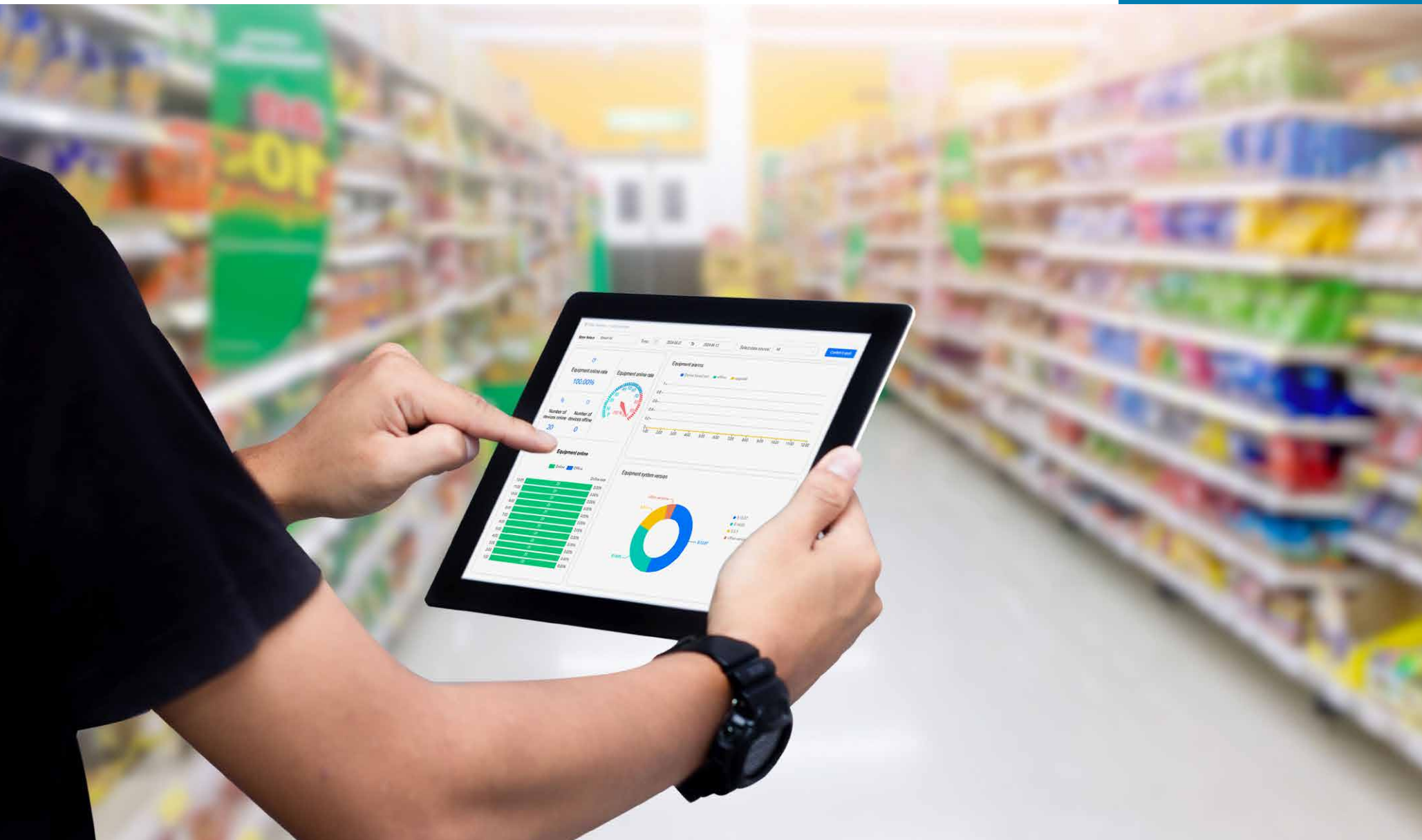


Dynamic menu design



Extensive fastening solutions

Further information can be found in our special catalogue.



Member of the VKF Renzel Group  **VKF Renzel**

troniTAG GmbH • Im Geer 15 • D-46419 Isselburg
Tel.: +49 (0) 28 74 / 910-711 • info@tronitag.com • www.tronitag.com