# troniT△G

# Electronic Shelf Labels

## 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:
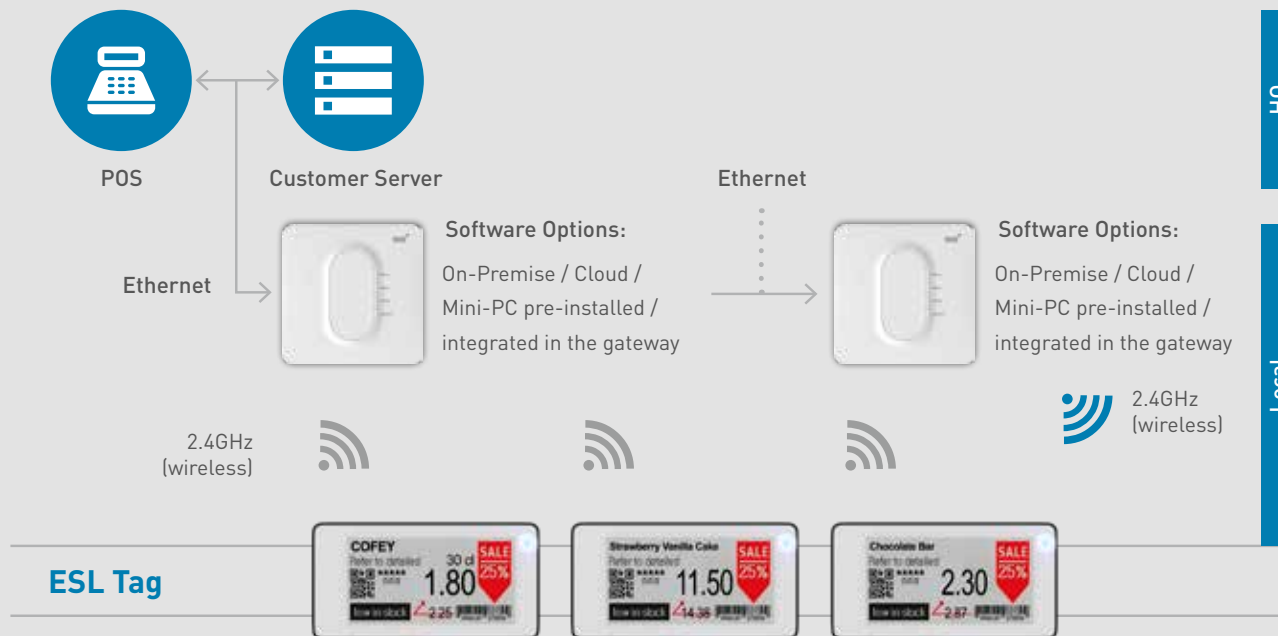From retail to industry, we are your full-service partner!**

- 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.

## 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!

## On-Premise System

POS

Customer Server

HQ

Ethernet

Ethernet

Local

Software Options:
On-Premise / Cloud / Mini-PC pre-installed / integrated in the gateway

Software Options:
On-Premise / Cloud / Mini-PC pre-installed / integrated in the gateway

2.4GHz (wireless)

2.4GHz (wireless)

ESL Tag

# ZB Series - The Modern

## ZB Features

**Slim design from 9.5 mm**
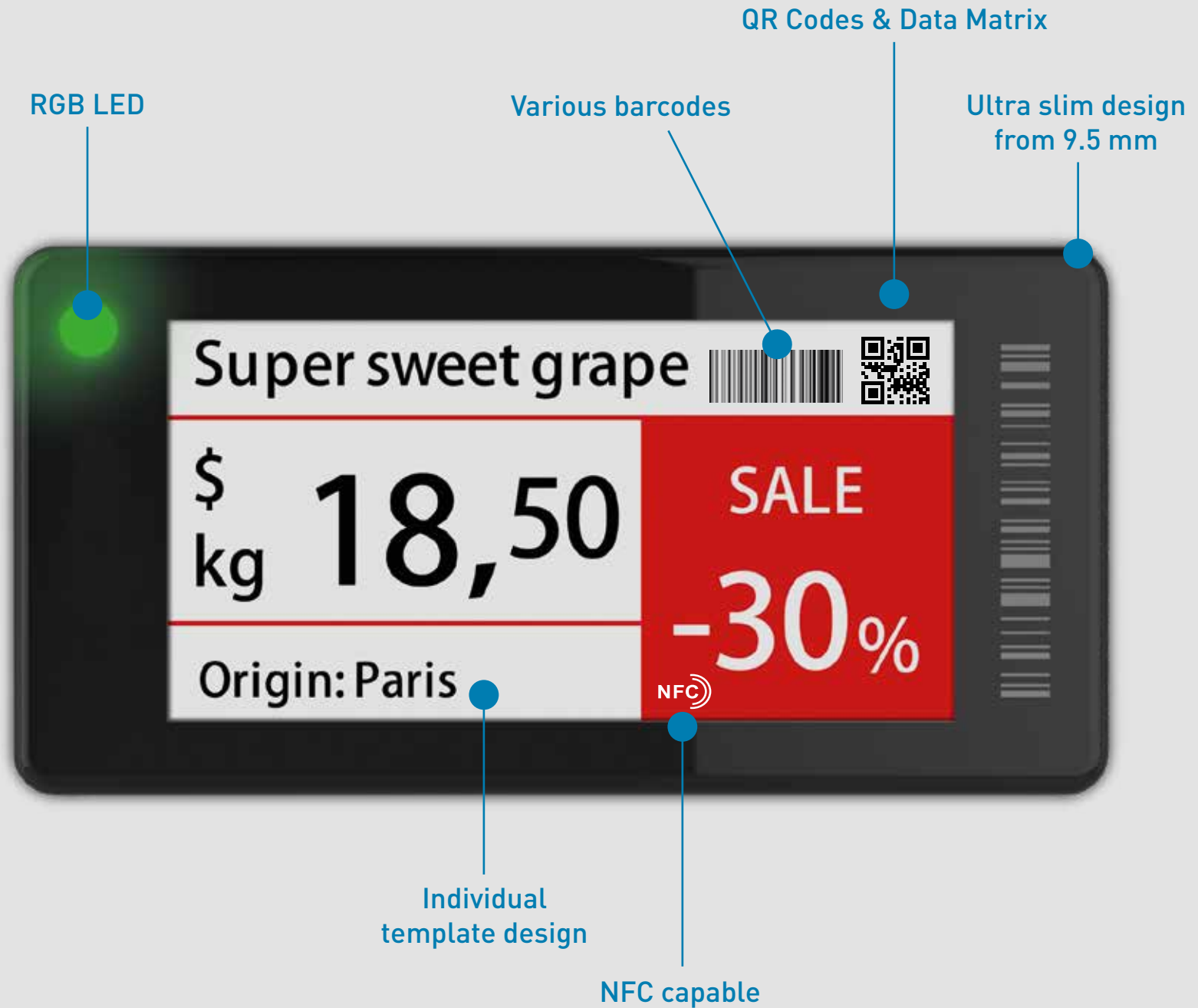
**Adjustable LED**

**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

RGB LED

Various barcodes

QR Codes & Data Matrix

Ultra slim design from 9.5 mm

Super sweet grape

$ kg 18,50

SALE -30%

Origin: Paris

NFC

Individual template design

NFC capable

# ZB Series - At a Glance



C18ZB



C21ZB



C26ZB



C29ZB



C42ZB

# Technical Details

| | Overall size (mm) | Display size (px) | Display colours | dpi | Power supply | NFC | Ambient temperature | LED |
|---|---|---|---|---|---|---|---|---|
| C18ZB | 54.2 x 36.9 x 9.9 | 224 x 168 \| 36.1 x 27.1 | B / W / R | 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 | 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 | 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 | 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 | 122 dpi | 2× CR2450 | ✓ | 0-40 °C | ✓ |
| C42ZB | 103.6 x 87 x 10.3 | 400 x 300 \| 84.8 x 63.6 | B / W / R | 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 | 125 dpi | 3× CR2430 | ✓ | 0-40 °C | ✓ |
| C58ZB | 132 x 109 x 13 | 648 x 480 \| 118.8 x 88.2 | B / W / R | 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 | 124 dpi | 4x CR2450 | ✓ | 0-40 °C | ✓ |
| F24ZB | 77.8 x 42.8 x 11.7 | 296 x 168 \| 52.1 x 29.6 | B / W / R / Y | 144 dpi | 2× CR2450 | ✓ | 0-40 °C | ✓ |
| F30ZB | 96 x 43.8 x 9.8 | 400 x 168 \| 70.4 x 29.6 | B / W / R / Y | 144 dpi | 3× CR2430 | ✓ | 0-40 °C | ✓ |
| F44ZB | 106.2 x 90.2 x 10.9 | 512 x 368 \| 90.1 x 64.8 | B / W / R / Y | 144 dpi | 3× CR2450 | ✓ | 0-40 °C | ✓ |
| F73ZB | 176.8 x 124.3 x 13.1 | 800 x 480 \| 160 x 96 | B / W / R / Y | 127 dpi | 4x CR2450 | ✓ | 0-40 °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 NFC  
Ambient temperature  
LED LED

## 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 contempo-rary 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

Individual template design

Perlen-Ohrstecker

Metall: 925 Sterling Silber, allergenfrei, nickelfrei, cadmiumfrei, bleifrei; Stein: Tchaikovsky Perle 1,89 g; 0,067 oz

NFC

€25

QR Codes & Data Matrix

NFC capable

Various barcodes

Better readability due to low-reflection design

# ZV Series - At a Glance



C15ZV



C21ZV



C26ZV



C29ZV



C21ZF



C26ZF



C42ZV

You can find further label sizes in the adjacent table.

# Technical Details

| | Overall size (mm) | Display size (px) | Display colours | dpi | Power supply | NFC | Ambient temperature | LED |
|---|---|---|---|---|---|---|---|---|
| C15ZV | 44.5 x 35.9 x 12.1 | 200 x 200 \| 27 x 27 | B / W / R | 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 | 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 | 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 | 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 | 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 | 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 | 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 | 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 | 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 | 113 dpi | 4x CR2430 | ✓ | 0-40 °C | ✓ |
| C116ZV | 266.3 x 190 x 9 | 960 x 640 \| 244.5 x 163 | B / W / R | 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 | 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** NFC

**Ambient temperature**

**LED** LED

# AIR Series - The Robust

## AIR Features

- **2 programmable buttons**
- **Adjustable LED**
- **NFC**
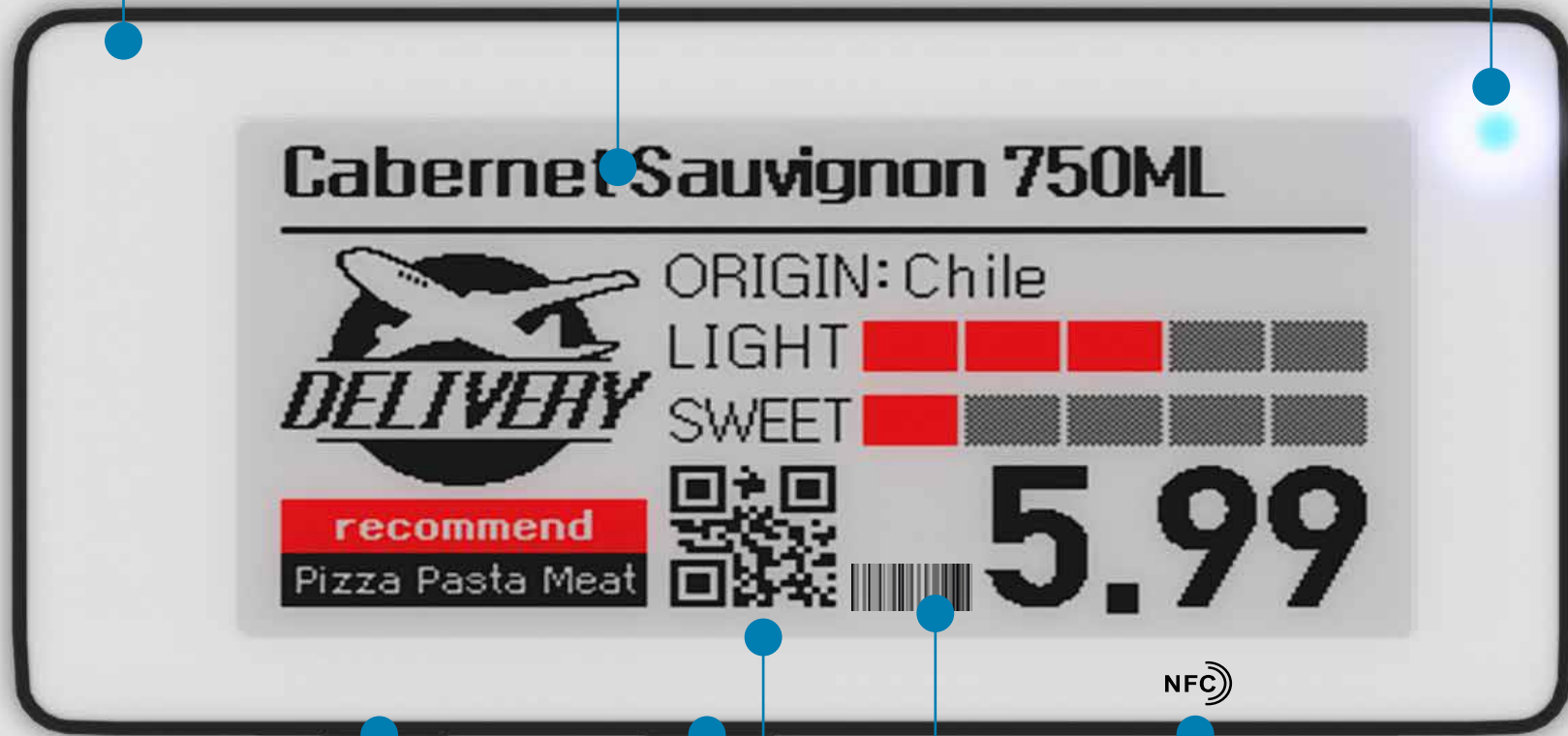- **Without running costs**

## 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

7 colour LED

**CabernetSauvignon 750ML**

*DELIVERY*

ORIGIN: Chile

LIGHT

SWEET

recommend

Pizza Pasta Meat

**5.99**

NFC

Programmable buttons

QR Codes & Data Matrix
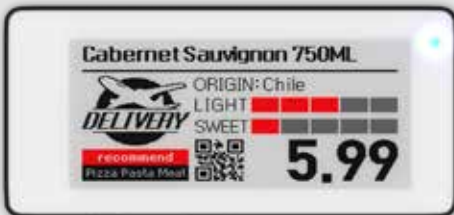
Various barcodes

NFC capable

# AIR Series - At a Glance


AIR15


AIR21


AIR26


AIR26F


AIR29


AIR29F


AIR75


AIR42


AIR58

You can find further label sizes
in the adjacent table.

# Technical Details

| | ⬍ | ⬈ | 🎨 | dpi | ⚡ | NFC | 🌡 | LED |
|---|---|---|---|---|---|---|---|---|
| **AIR15** | 37 x 46.7 x 13 | 200 x 200 \| 27 x 27 | B / W / R | 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 | 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 | 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 | 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 | 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 | 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 | 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 | 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 = black, white, red

| ⬍ Overall size (mm) | ⬈ Display size (px) | 🎨 Display colours | dpi Resolution |
|---|---|---|---|
| ⚡ Power supply \| up to 5 years \| exchangeable | NFC NFC | 🌡 Ambient temperature | LED LED |

# LCD Vision



## LCD Vision Features

 **Wireless management**

**RGB** **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

| | ⬍ | ◰ | 🎨 | dpi |
|---|---|---|---|---|
| **Vision 231** | 597.4 x 60.4 x 15.8 | 1920 x 158 | True Color | 83 dpi |
| **Vision 290** | 739.4 x 237.4 x 29.1 | 1920 x 540 | True Color | 69 dpi |
| **Vision 350** | 891.6 x 60.4 x 15.8 | 2880 x 158 | True Color | 83 dpi |
| **Vision 356** | 899.5 x 262.5 x 17.8 | 1920 x 533 | True Color | 56 dpi |
| **Vision 470** | 1211.2 x 67.5 x 24.3 | 3840 x 160 | True Color | 81 dpi |
| **Vision R101S** | 243 x 152.1 x 14 | 1280 x 800 | True Color | 150 dpi |
| **Vision R101D** | 243 x 150.1 x 14 | 1280 x 800 | True Color | 150 dpi |

**Other sizes available on request!**

⬍ Overall size (mm)    ◰ Display size (px)    🎨 Display colours    **dpi** Resolution

## 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**

## 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

## 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**

## Advantages at a Glance

📶 **Wireless**

✉️ **Can be connected to existing systems**

✍️ **Flexible; customisable design**
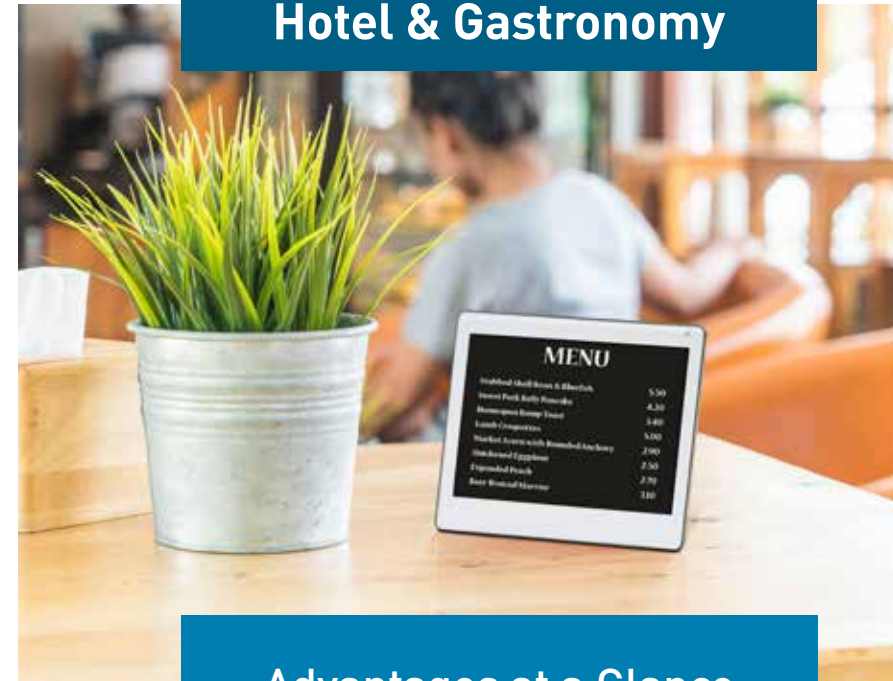
## Our Solution for Meeting Rooms & Events

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 place-ment. 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

## 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**

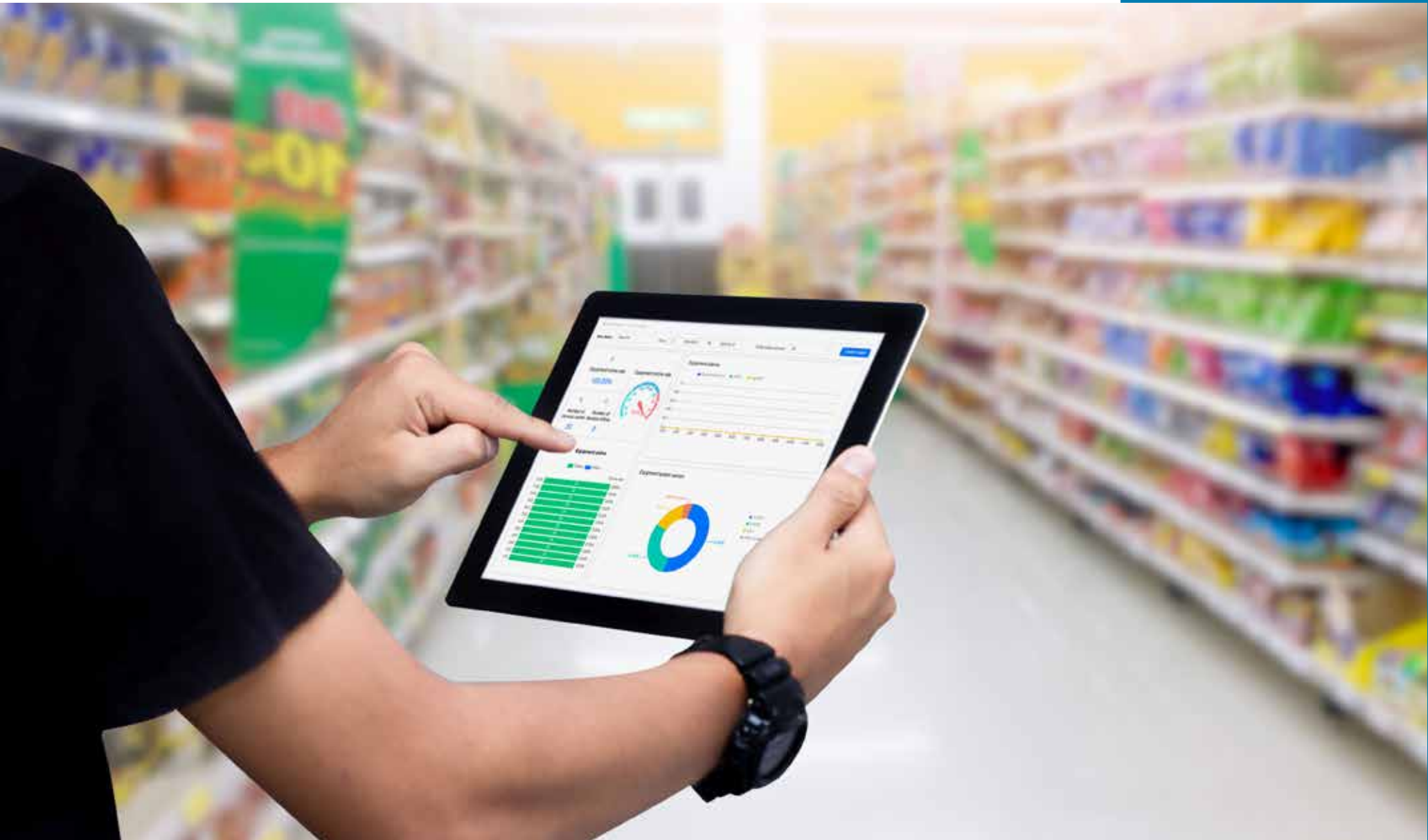**Extensive fastening solutions**

Further information can be found in our special catalogue.

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