

Company Introduction

2025



faytech

Who We Are



About us

We specialize in providing **innovative touchscreen solutions**, focusing on the **design and manufacture of high-performance display and interactive technologies** for various industries. Our advanced **optical bonding techniques** enhance durability and visual clarity, allowing us to deliver robust, customizable products that elevate user experiences in modern applications.



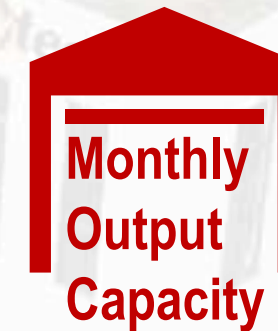
16+ Years

Focus on the niche of touch devices



2,000,000+

Touch devices sold worldwide

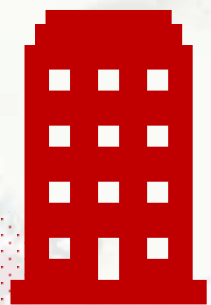


15,000+

finished devices

28,000+

optical bonding & touch panel production



30+

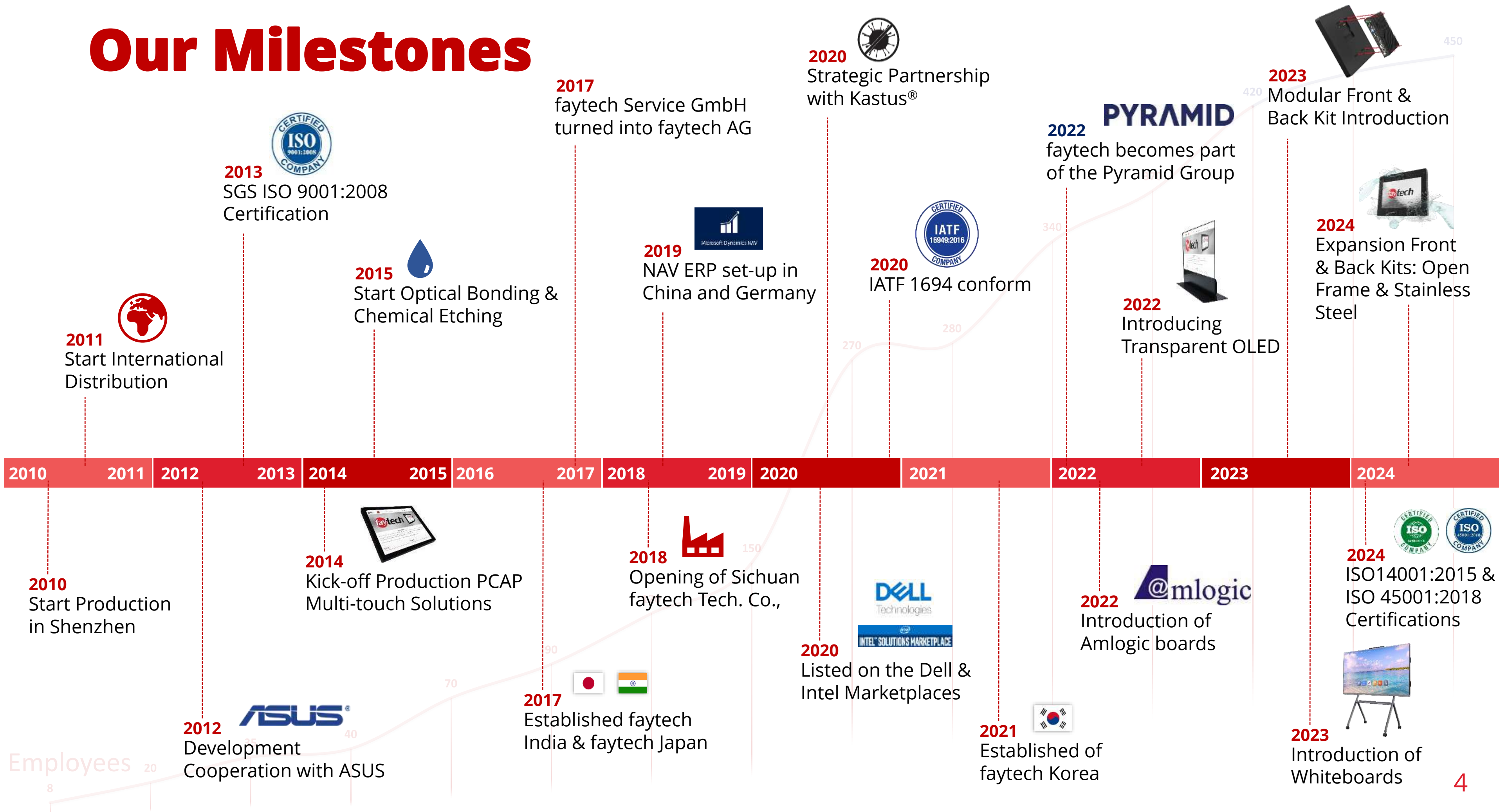
Global branches and distributors



60+

Specialists and engineers

Our Milestones



About the Group

faytech has been manufacturing touch PCs since 2010 at its factory in China. All touch devices are solely designed and manufactured by faytech using its own ISO 9001:2015 certified production lines, following strict German quality guidelines and expectations. faytech is also ISO 14001 and IATF 16949 certified.

In 2022, faytech became a part of **Pyramid AG group**, allowing us to truly focus on our growth, innovation, and competitive advantage in the touch devices market – the 3 brands of Pyramid: Akhet®, faytech® and Polytouch®

PYRAMID

AKHET®

Industrial PCs & Servers

faytech

Touch-Screen Monitors & PCs

POLYTOUCH®

Interactive Kiosk Solutions

2022 REBRANDING in PYRAMID AG



Pyramid GmbH (1985)
faytech AG (2010)

2004 PYRAMID AG



(mic AG) M3BK • ETR
Listed since 2004 (SCALE)

450+ EMPLOYEES



Worldwide

5 CONTINENTS



We are active on
five continents

\$100+ million in 2024



Non-consolidated
Pyramid AG Group

 **Pyramid Computer GmbH**
Freiburg, Germany

 **Pyramid Computer GmbH**
Amt Wachsenburg, Germany

 **Pyramid Computer GmbH**
Witzenhausen, Germany

 **faytech Tech Co., Ltd.**
Shenzhen, China

 **Sichuan faytech Tech. Co.**
Suining, China

 **Huizhou faytech Tech Co., Ltd**
Huizhou, China

 **Tongling Hanfei Optical
Technology Co., Ltd.**
Tongling, China

 **faytech Inc.**
Tokyo, Japan

 **Deutsche faytech Korea**
Seongnam-si, South Korea

 **faytech Private Limited**
New Delhi, India

 **faytech South Africa**
Waterfall, South Africa

Represented by

 **Pyramid North America Inc.**
Herndon, USA

 **faytech US dba Connect
Tronics LLC**
New York, USA

Management Team in China



Arne Weber

CTO of Pyramid AG
Managing Founder of
faytech

faytech founder

Work Experience:

Skilled in Touch Screens, Sales, E-commerce, and Strategic Planning.

Education / Background:

Strong business development professional with BA in Bank and Economics from Berufsakademie Villingen-Schwenningen.



Haber Guo

General Manager of
faytech HZ & head of
R&D

At faytech since 2017

Work Experience:

Technical Specialist for CG, Touch sensor, CTP, OB and LCD/LED display. 20+ years work for opto-electronic industry, including 10 years as ITW-Lumex leader of China operations.

Education / Background:

On job training for technical and managerial at all levels.



Jack Liu

General Manager of
faytech factories in
Suining, Purchasing and
Customer Service

At faytech since 2021

Work Experience:

Skilled operation management in international companies, as well as operation director for 18+ sites.

Education / Background:

Language bachelor, EMBA.



Michael Faass

Sales Director of
faytech

At faytech since 2022

Work Experience:

25+ years experience working in Greater China in industrial electronics. Professional in sales, e-commerce and planning.

Education / Background:

Master's Degree in Political Science and is fluent in spoken and written Mandarin Chinese.



Shirley Xu

Financial Director of
faytech China

At faytech since 2017

Work Experience:

Skilled in financial management for over 18 years at various multi-national companies.

Education / Background:

Major in financial management/graduated from Zhengzhou Institute of Aviation Industry Management

Our Factories Globally

Huizhou, China



Production/Research

Size: 6,150 m²
Since: 2023

Purpose

Optical bonding, electronics assembly, R&D, Sales and project business

Suining, China



Screen Production

Size: 12,000 m²
Since: 2018

Purpose

Optical bonding, electronics assembly and manufacturing of touch Devices

Suining, China



Metal Production

Size: 6,450 m²
Since: 2018

Purpose

Metal production and case manufacturing

Ichtershausen, Germany



Kiosk/Server Production

Size: 3,800 m²
Since: 2007

Purpose

Kiosk production, design, R&D, service center



Large Format Bonding



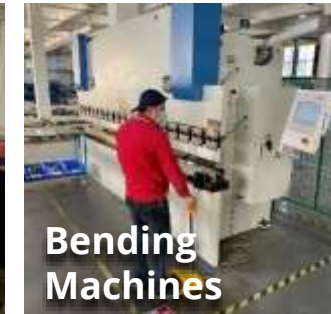
Clean Room



Working Space



Laser Cutters



Bending Machines



Pipe Cutting Machines



Optical Bonding Glue Dispensers



Automatic Bonding Line



EASY Shopper Production



Welding Area



Powder Coating



CNC Machine

Renowned Customers

Customer satisfaction is regarded as the **highest priority** for faytech. faytech is entrusted by customers for its **expertise in the niche and superior quality**.





What We Do

Our Segments



INDUSTRY 4.0



**BUILDING
AUTOMATION**



DIGITAL SIGNAGE



RETAIL



EV CHARGING



**AUTOMOTIVE,
AVIATION &
TRANSPORTATION**



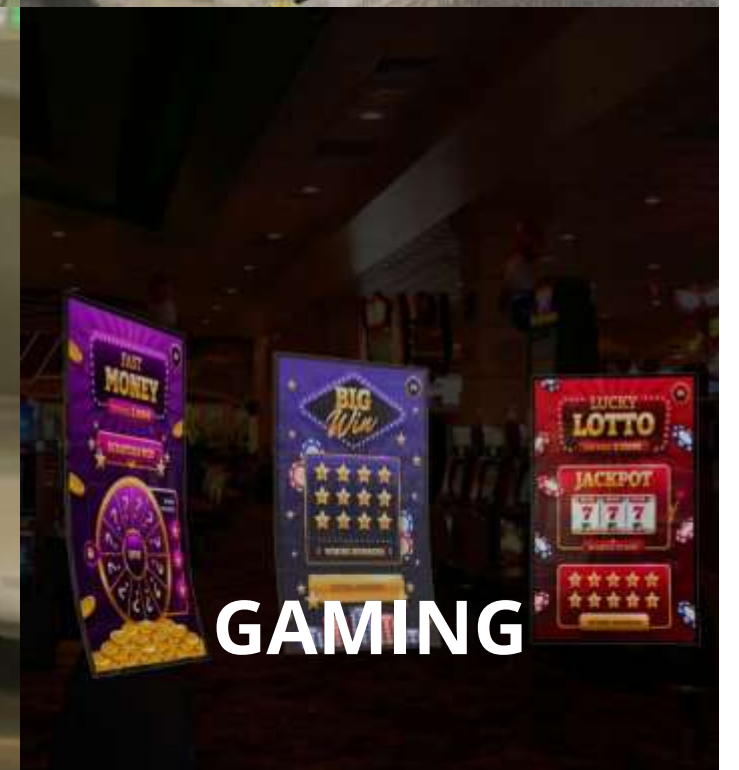
AI



BANKING

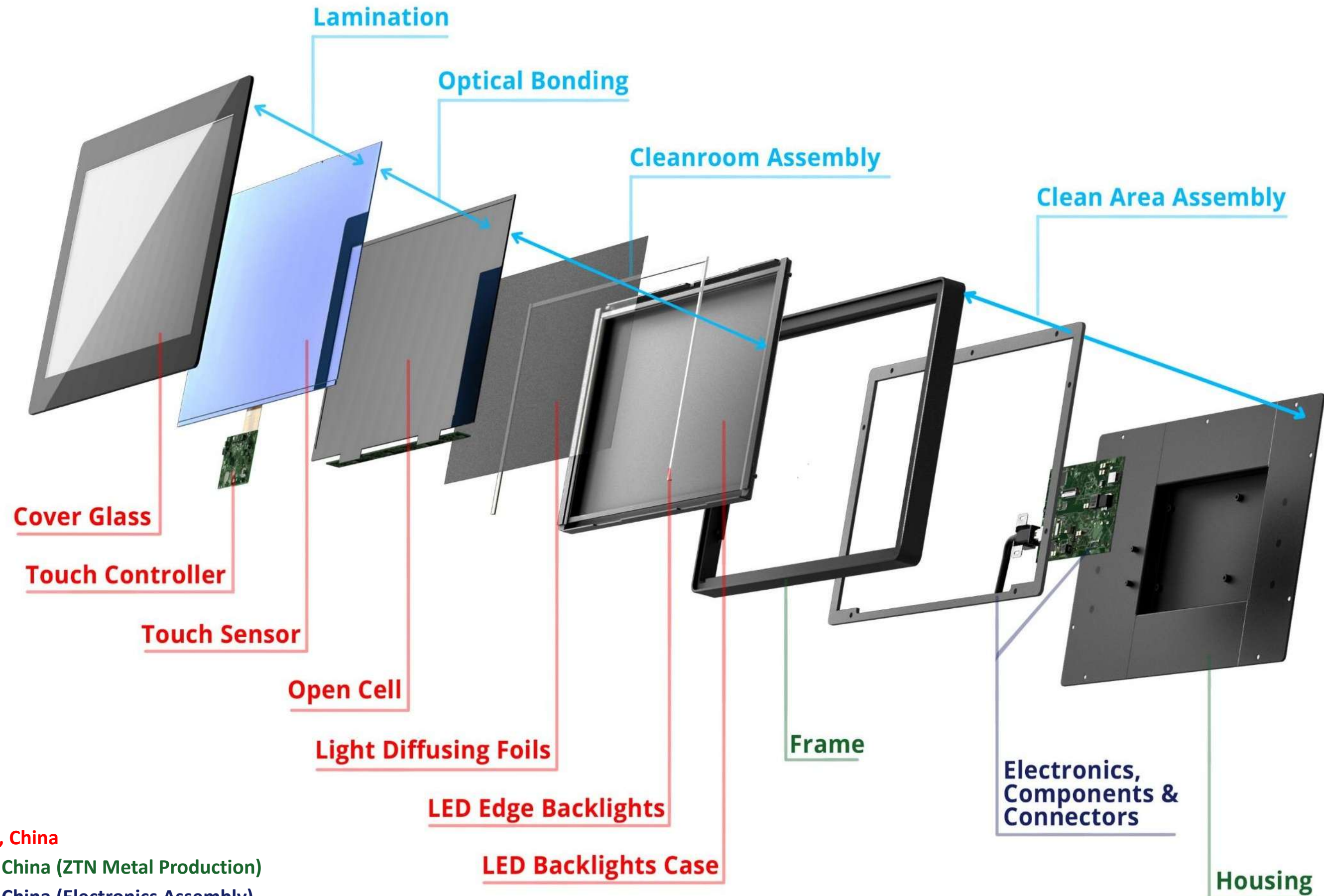


MEDICAL



GAMING

Our Value Chain



- faytech Huizhou, China
- faytech Suining, China (ZTN Metal Production)
- faytech Suining, China (Electronics Assembly)



Our Areas of Expertise



Capacitive Touch Technology Expert



Expert in Capacitive multi-touch technology, with touch engineers solely focused on **touch sensitivity** and **firmware** fine-tuning.



Glove Compatible

Our adjustable touch sensitivity & firmware allows full use with industrial or medical gloves



No Droplet Interference

with our adjustable sensitivity, in humid or conditions with water droplets, no ghost touches will occur



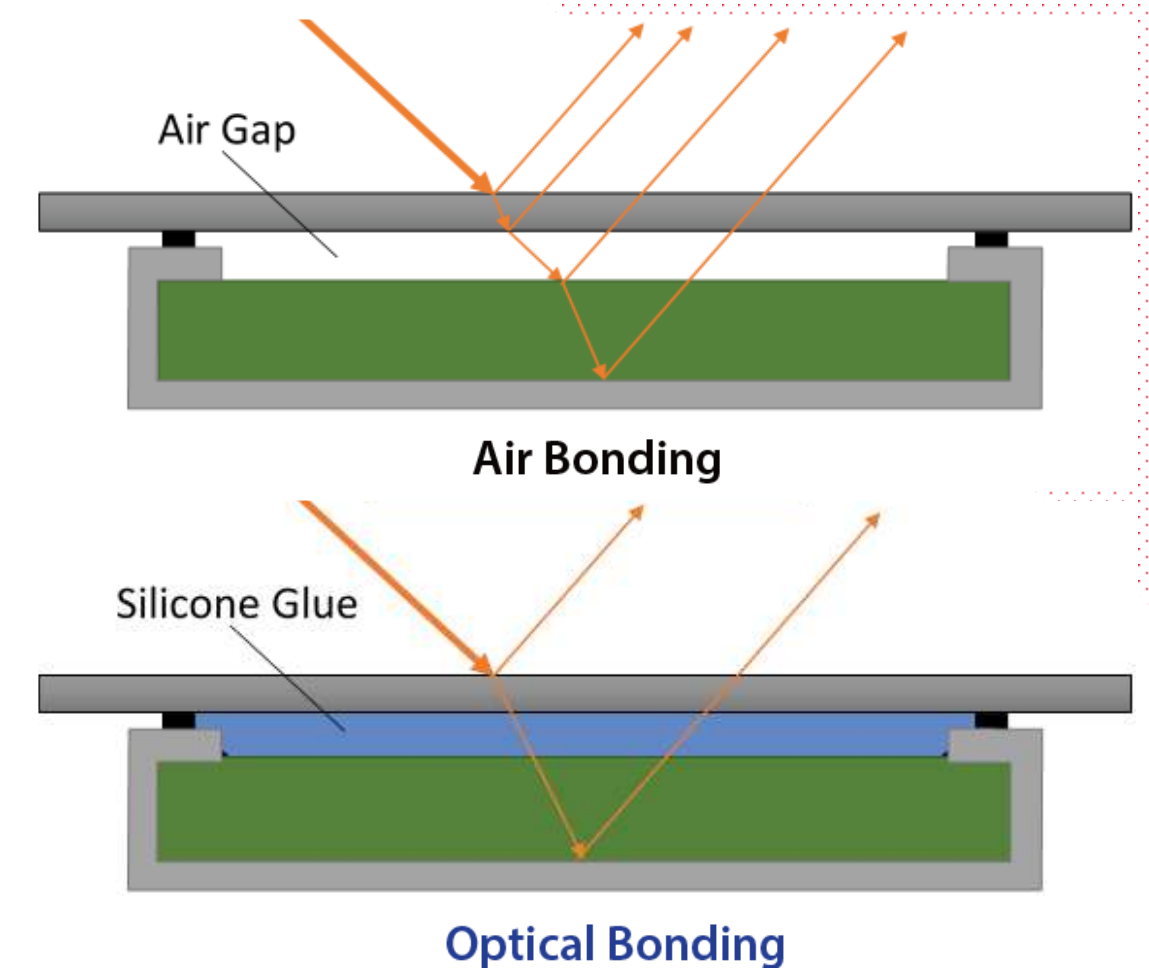
Optical Bonding Expertise

What is Optical Bonding?

Optical bonding is the process of filling up the airgap between the cover glass / touch panel and LCD cell / module to improve the visual and material features and with that the quality and value of the bonded device.

Why Optical Bonding?

- Optical bonding reduces reflections by about **65%**
- It enhances the perceived LCD brightness by up to **10%**
- No humidity or dust is able to enter between the touch panel and LCD cell
- Additional resistance towards environmental forces onto the glass



**CLEAR
BOND**

Own Glue Formula
With highest quality
standard in the market



 **YouTube**

Comparison Video
Showing Optical Bonding!



Tested at altitudes of
6000+ meters



Temperature ranges of
-50°C to +120°C



Advanced durability
standards



Impact energy without damage
increased by about 20%

Outdoor Expertise | CoolCrystal

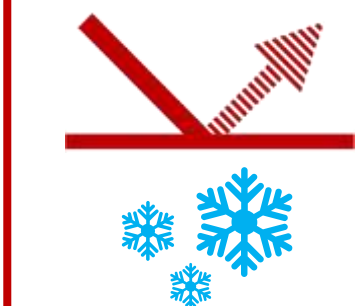
What is CoolCrystal®?

CoolCrystal® is an extra layer of crystal-clear double-layered optically bonded glass between the touch panel and LCD panel.

Why CoolCrystal®?

These extra layers ensure:

- Additional protection against Infrared (IR) and Ultraviolet Radiation (UV), blocking up to **35%** more – significantly reducing the **heat accumulation**.
- increases **heat capacity**, ensuring a much **slower rise in temperature** whenever the display is exposed to direct sunlight
- Ensure the **light effect** from the LED backlight is **more vivid** and **bright**, allowing for a view which is much clearer.

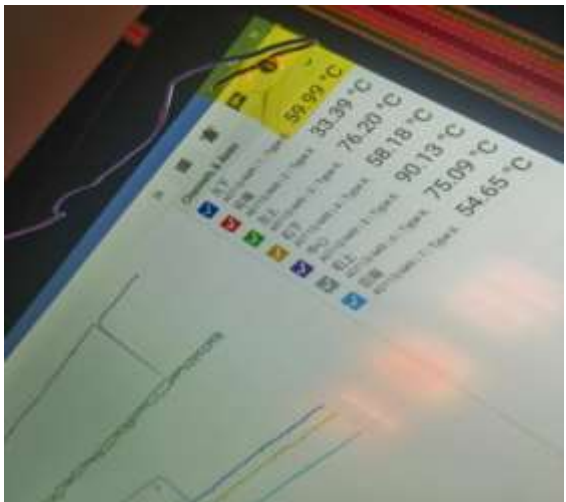
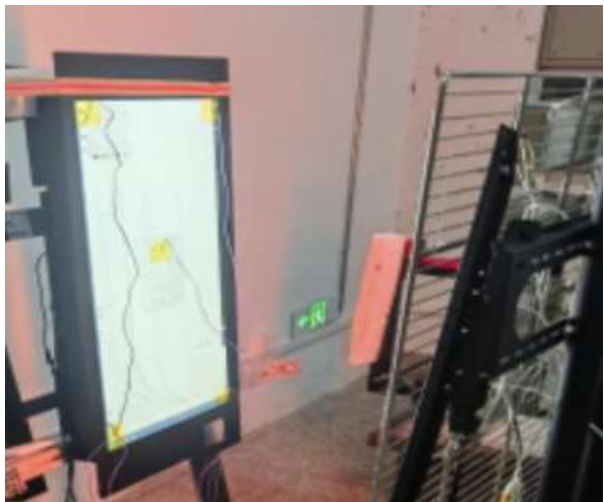


1090W/m² and hot environments are a serious threat to any outdoor display



Patented Technology
Specifically designed for outdoor environments

Testing condition: 1120W IR lamp with 10 hours				
Temp check loction	Front Cover Glass	Open Cell	Back	Outside
Start of test	39°C	26°C	27°C	27°C
After 10 hours of testing	90°C	76°C	54°C	33°C



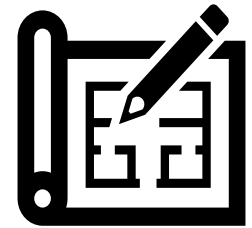
Experts in Customizations

We can **custom design and produce any touch device** for your project. We do this by utilizing our **broad manufacturing capabilities**, **experienced engineers** and **extensive portfolio of completed projects**.

- RFID-, fingerprint- or laser scanner
- Integrated camera
- Customized buttons
- Customized connectors
- Different mounting options
- Anti-Microbial coating options
- Bluetooth, 3G, 4G and Wi-Fi
- Pick your own faytech mainboard
- Other added peripheral possibilities
- Complete IP65/IP69K water- & dustproof



Our Advantages #1



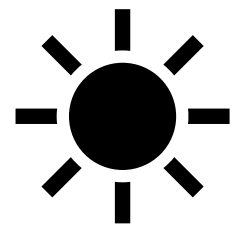
Own Mainboard Design

With own engineers in-house & Partners in Taiwan & Germany



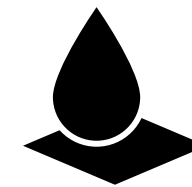
Own Touch Controller Design

Completely done in-house (capacitive touch)



High Brightness Modification

Up to 2,500 nits (cd/m²)



(True) Optical Bonding

In-house service, own formula / development, fully automated with dispensing patent technology



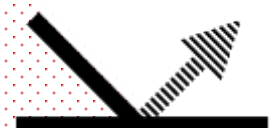
IP65 / IP68 / IP69K

Water- & dust-proof protection



Shatter Protection

1.1-2mm cover glass, 7H, IK08 standard up to 10mm (9H/IK10 possibility)



Coating Technologies

Anti-glare, anti-fingerprint, Anti-microbial (Kastus[®]), Infrared, UV



Low Power Consumption

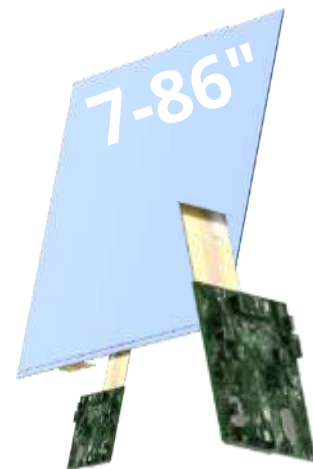
Significant cost-saving, extend product life, good for environment

Our Advantages #2



Cover Glass

With coating technology possibility (7-86")



Touch Sensors & Controllers

Capacitive touch sensor & controllers designed in-house (7-86")



Touch Panels

Cover glass + touch sensor laminated in-house (7-86")



Housings

Aluminum / metal housing: JV with Zentner in Suining (custom sizes available)



Completed Touch-Kits

LCD panel + Touch Panel (incl. touch controller)



Optically bonded in-house with own glue formula (7-55")

Our Certifications

Besides our **ISO9001:2015**, **ISO 14001:2015**, **ISO 45001:2018** and **IATF 16949** conformity, we also have the following certifications and partnerships.

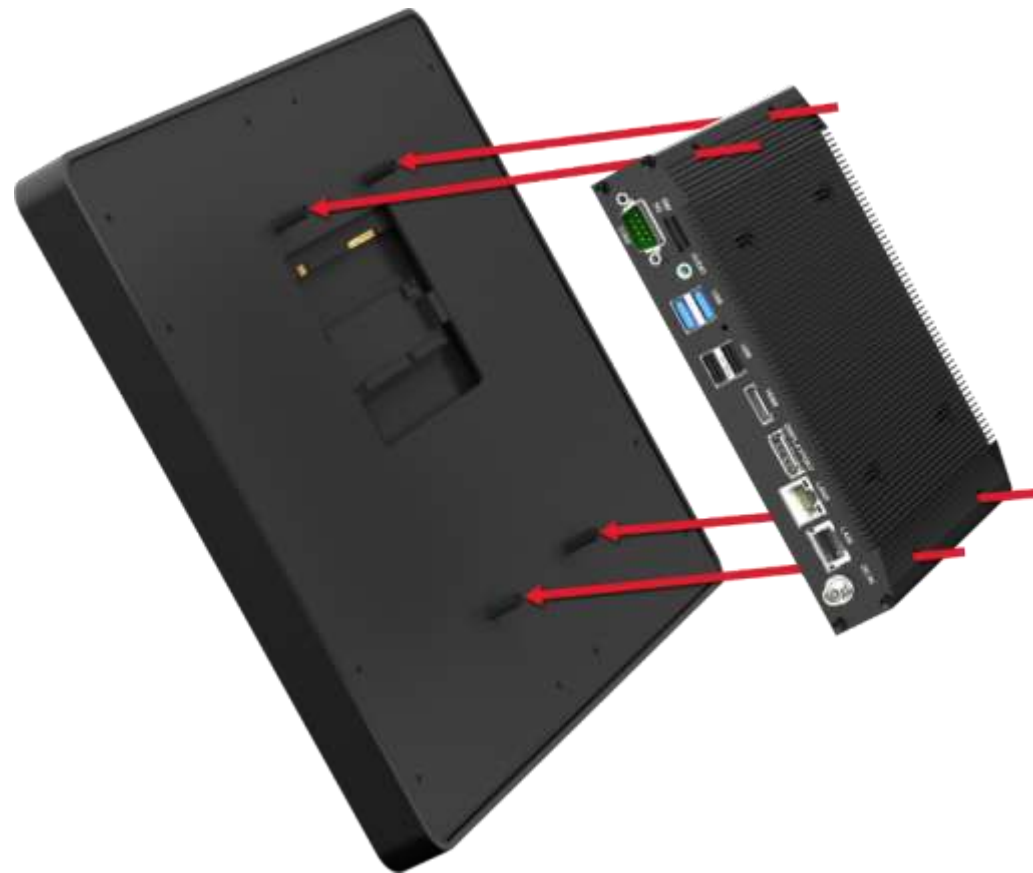




Modular Industrial Line-up

faytech's Front & Back Kits | Modular

These individual **front kit** & **back kits** are produced separately, allowing for complete mix & match possibilities for our wide range of **standard solutions**.



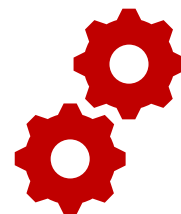
Complete Flexibility

Final kit assembly and customizations can be done in any of our locations worldwide.



Rapid Project Completion

Due to wider available SKUs of the various front and back kits, quicker delivery possibilities.



Extensive Customization Options

Configure your own device – from shape, glass, color, IK/IP grade to CPU, RAM, SSD or adding cameras, IOs, relays, sensors, etc. - you name it we realize it.



Dual Quality Verification

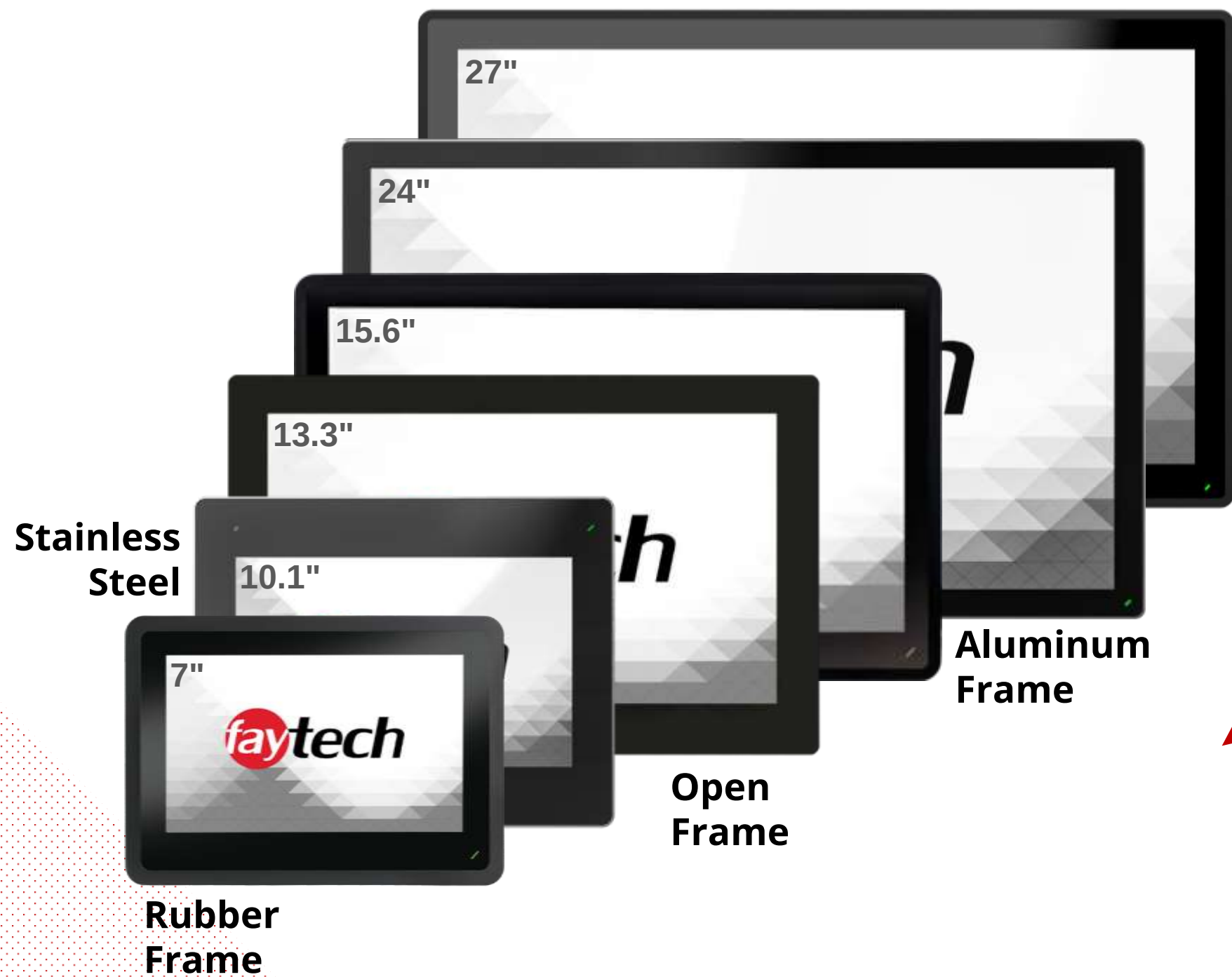
Components produced in China, assembled in local regions, strict quality inspections at both sites.



 **YouTube**

Explanation Video
modularity overview

faytech's Front & Back Kits | Modular



Embedded Amlogic IPCs

A311D / S905D3



Intel®-Based IPCs

Elkhart Lake: x6413E, x6211E, J6412

Tiger Lake U: i3-1115G4E, i5-1145G7E, i7-1185G7E



Monitor back-kits

RT2556

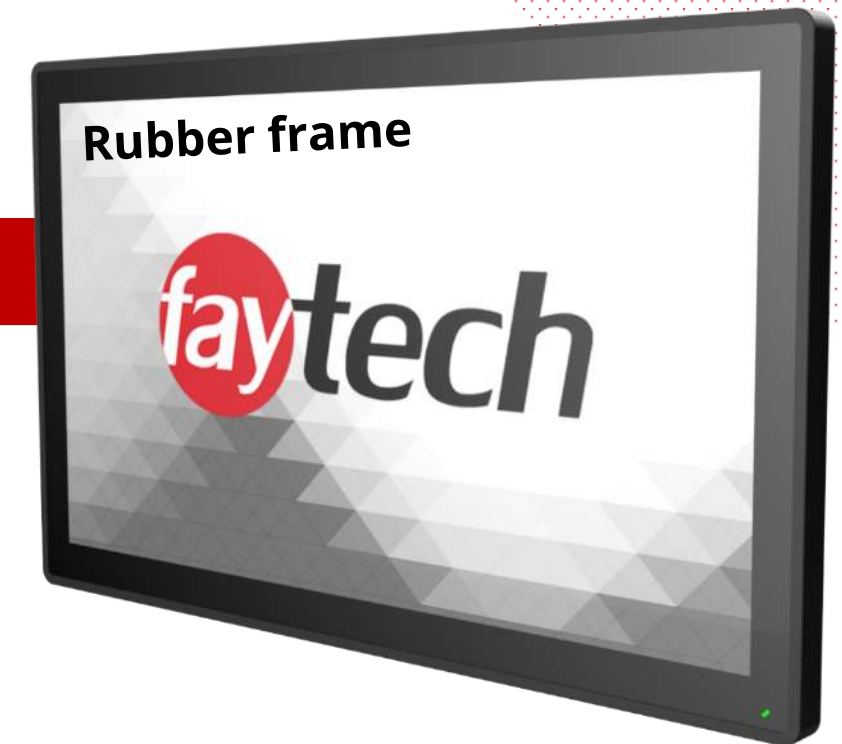


faytech's Front Kits



Rubber Frame Front

- IP65 front panel feature with optical bonding
- For harsh & rugged environments
- Perfect to integrate into machines / control cabinets
- Patented shock-absorbing silicone seal

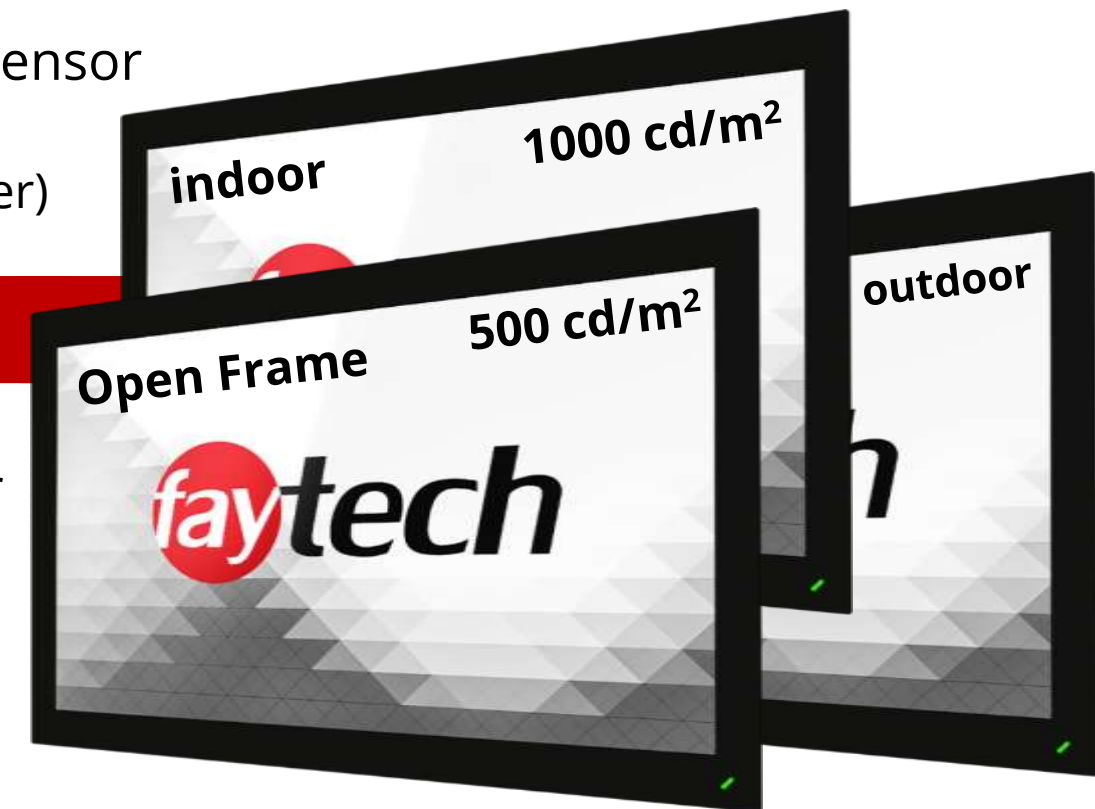


Aluminum Front

- IP65 front panel feature with optical bonding
- Perfect as indoor solution, with plastic touch sensor
- Modern high-quality aluminum frame
- Cost-effective front kit (lower cost touch controller)

Open Frame Fronts

- IP65 front panel feature with optical bonding
- 3 versions: standard, high brightness, outdoor
- Flush-mounting & easy machine integration
- Lightweight aluminum

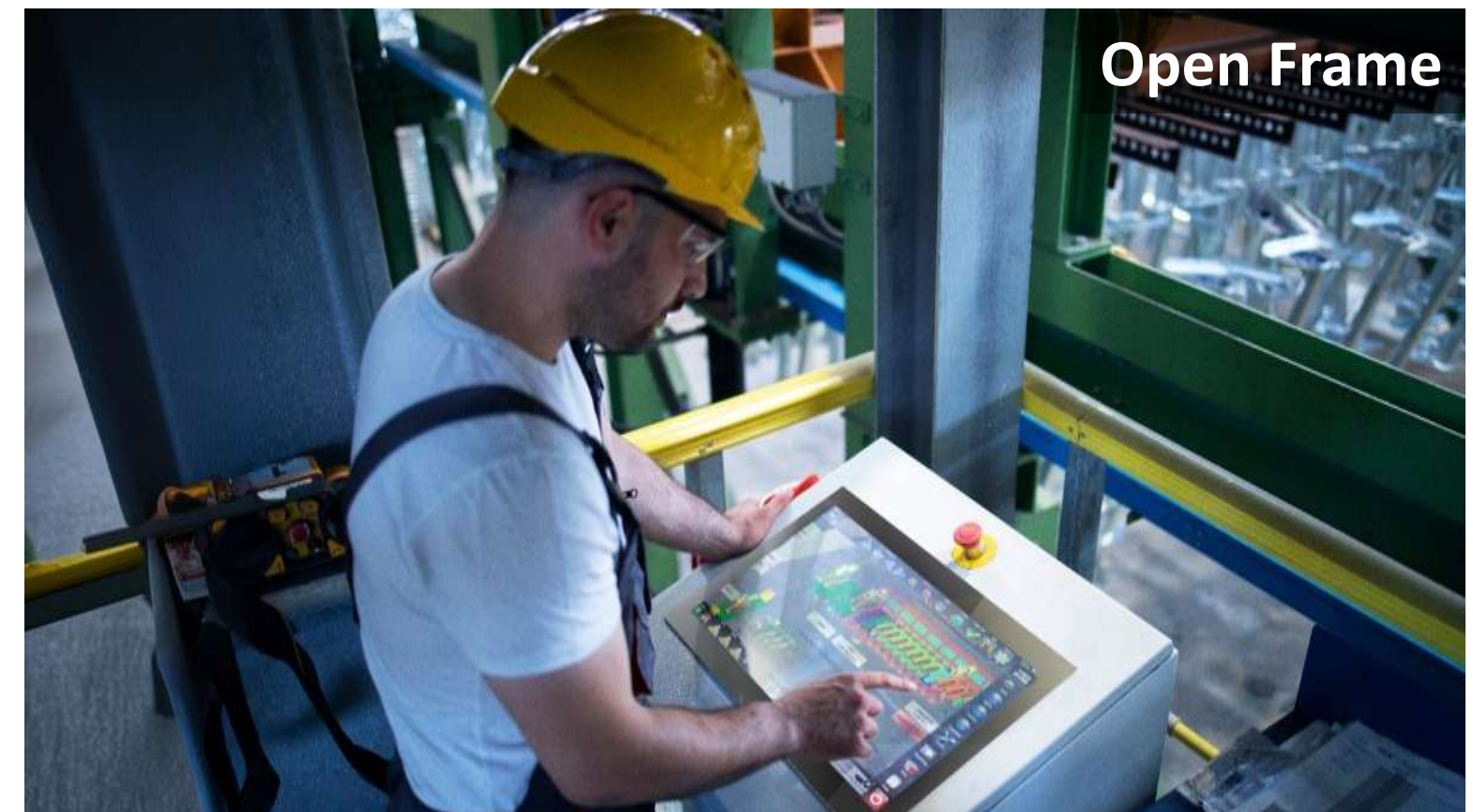
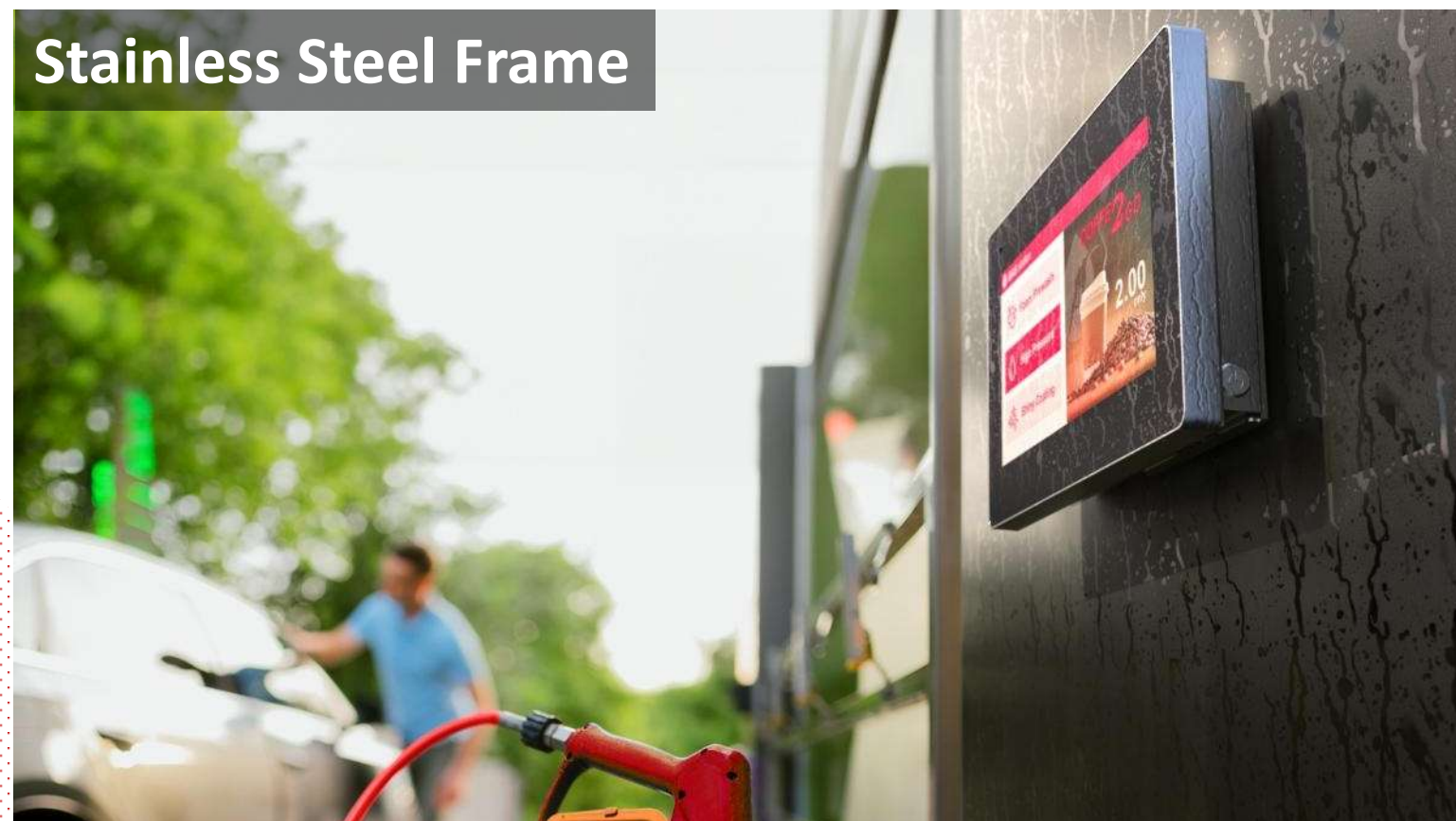


Stainless Steel Front

- Complete IP69K front panel feature with optical bonding
- Perfect as full outdoor solution
- Hygienic stainless-steel material
- Heavy-duty frame for rough applications

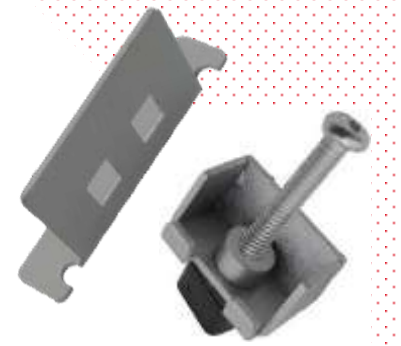


faytech's Front Kits



faytech's Front Kits | Clamp Mount Solution

The **clamp mount solution** allows for easy integration of your capacitive device into any machine or server door. It will make sure there is a **solid fixation** for any place.



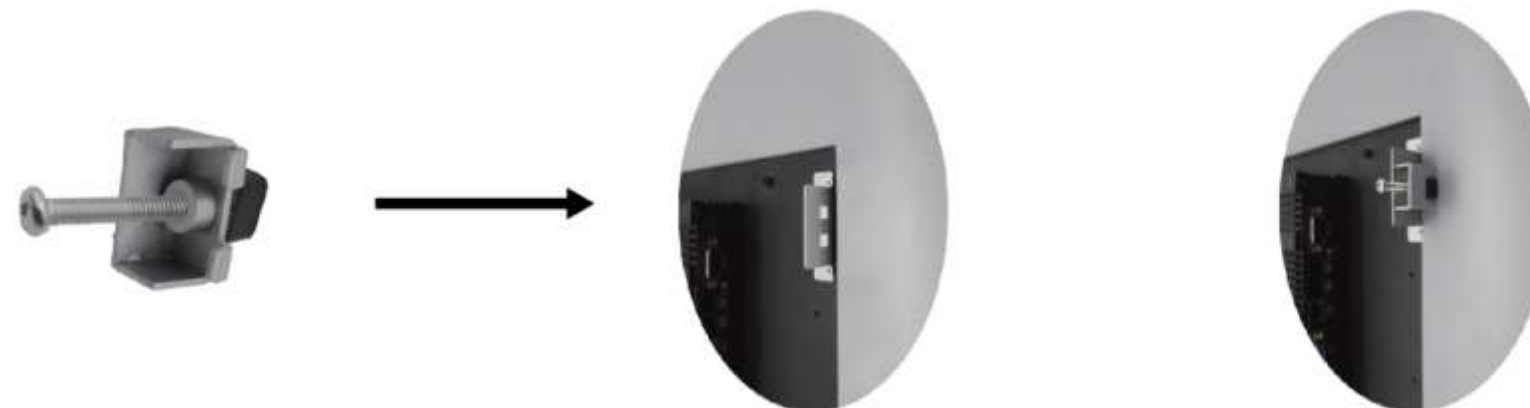
①



②



③



Compatible with:
Rubber, Aluminum & Open Frame

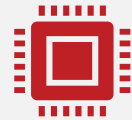
faytech's Back kits | SMARC Baseboard

Coming in 1st half of 2025!

ARM-based & x86-based **SMARC (Smart Mobility Architecture) baseboards** with various modules.

> **Third party SMARC modules also supported, check with us for compatibility.**

Modularity



Power Efficiency



Compact Size



Customizable Potential



Cost-Effective



Long Lifecycle Support



Diverse I/O Options



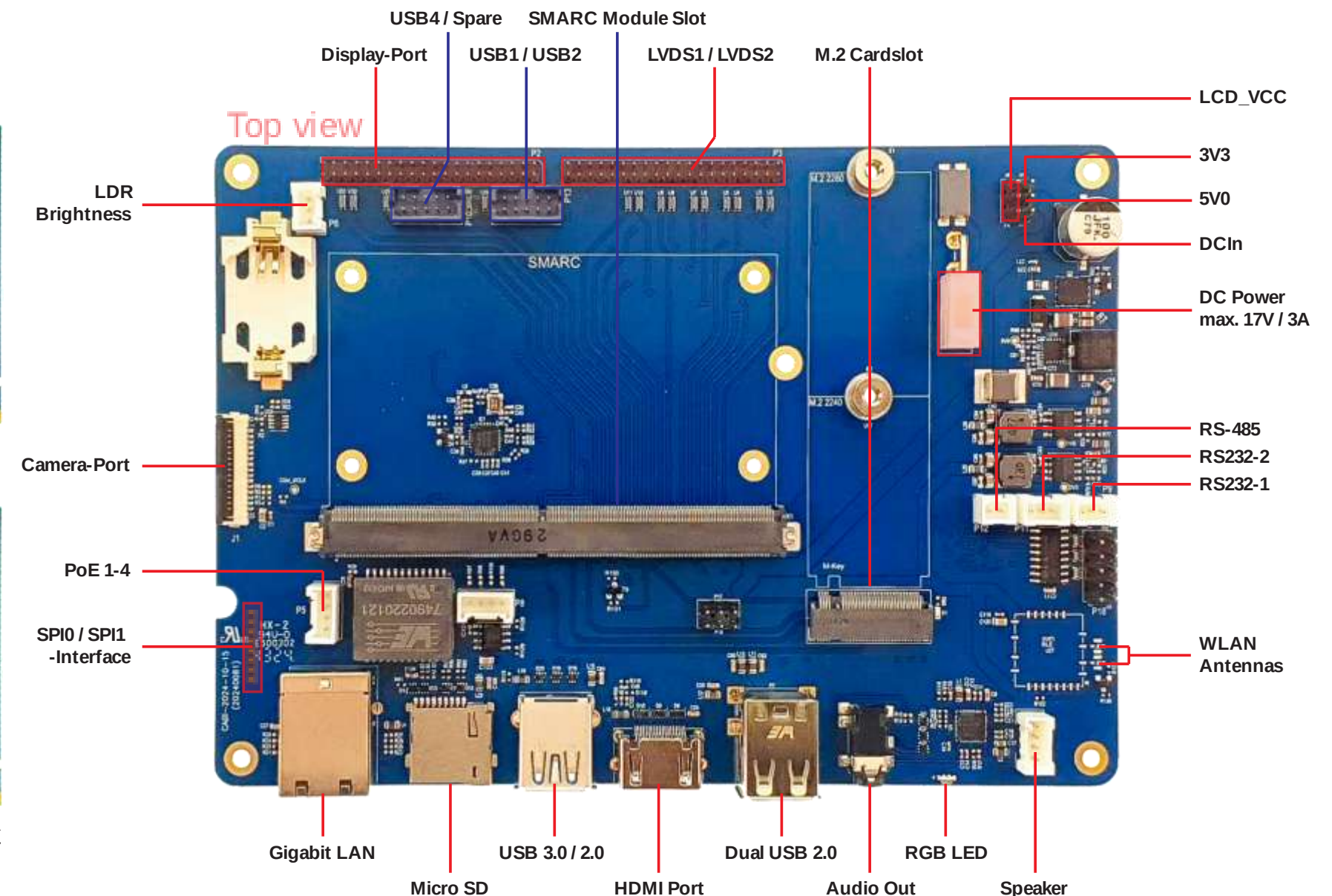
Wide Application Range



A311D: 4G RAM / 64G eMMC



S905D3: 4G RAM / 64G eMMC



CUSTOMIZATIONS ARE WELCOME!

We tailor your baseboard to perfectly suit your machine, kiosk, vehicle, or any specific application you have in mind!



Industrial HMIS

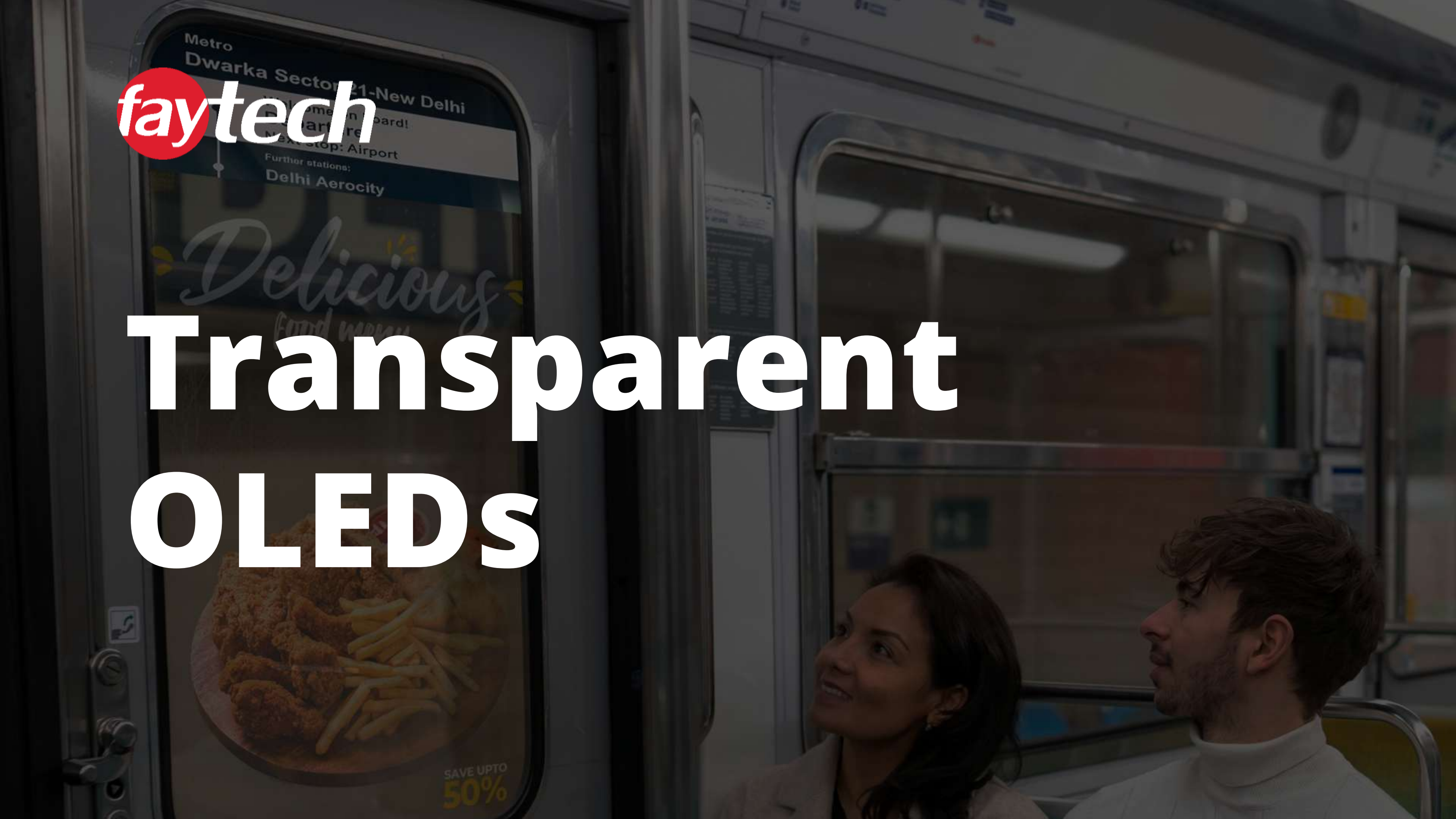
Industrial HMI Solutions

faytech's Human Machine Interface (HMI) series focuses on ruggedized touch solutions to be specifically used as an user interface or dashboard that allows an easy connection from person to machine through this display.





Transparent OLEDs



Transparent OLED Solutions

Transparent OLED technology transforms advertising by creating immersive, visually striking displays that seamlessly integrate digital content with the physical environment, **enhancing consumer engagement and experience.**

30" Transparent OLED Monitor



55" Transparent OLED Monitor

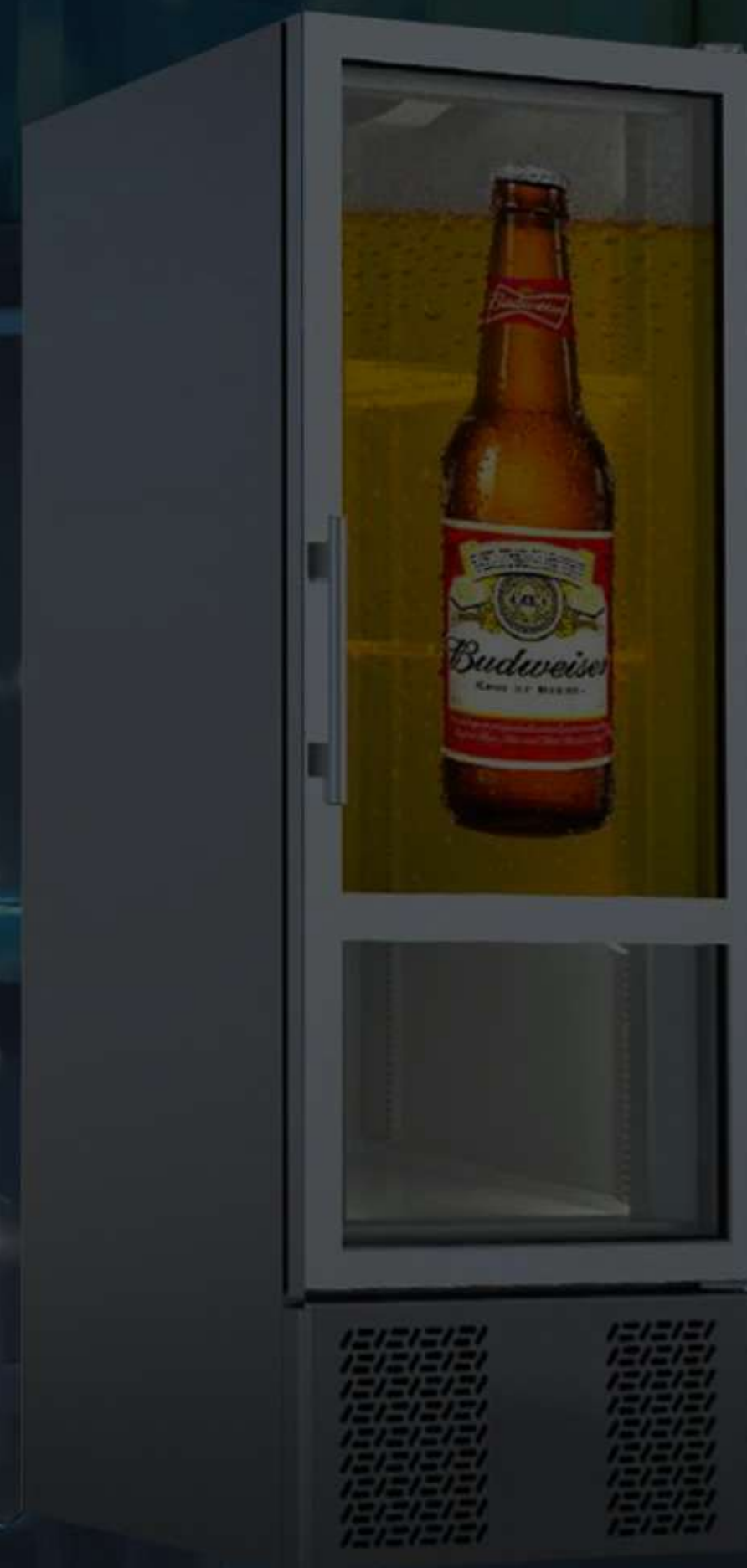
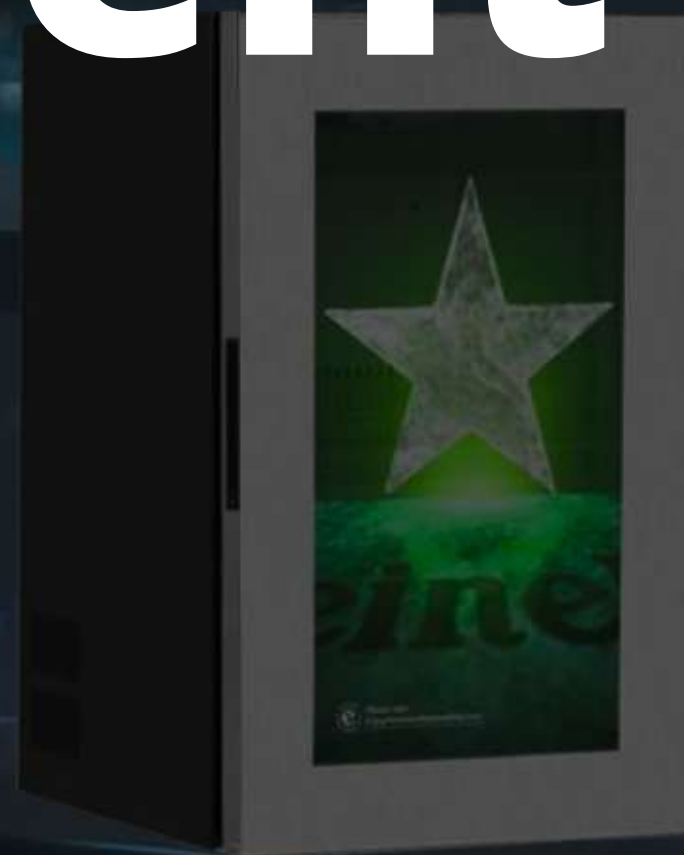
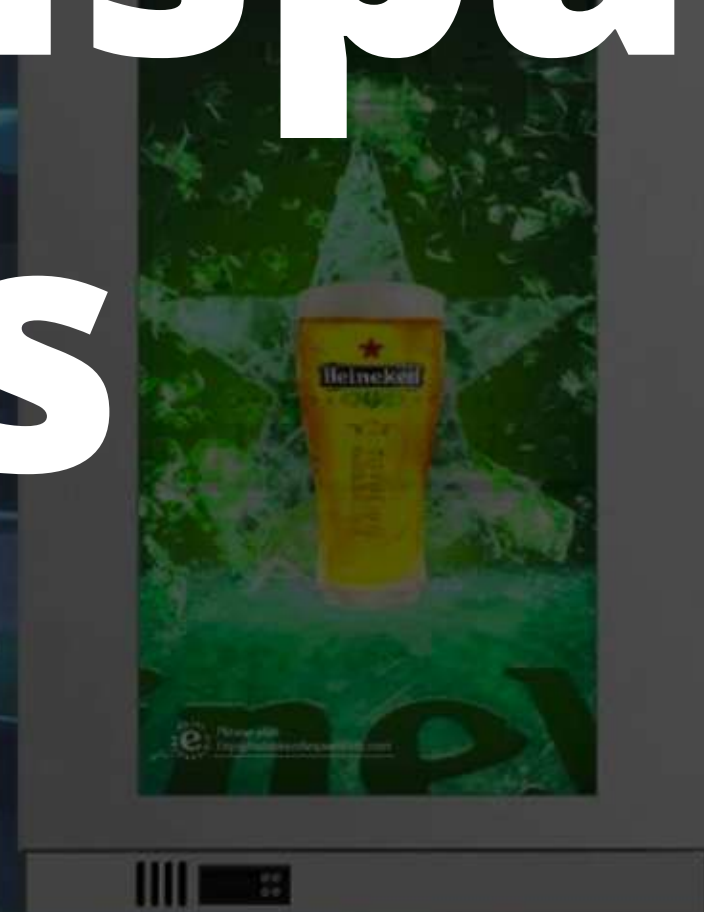


30" Transparent OLED Kiosk





Transparent LCDs



Transparent LCD Coolers

Our **innovative transparent display technology** replaces conventional glass doors with a stunning transparent Digital LCD assembly. This allows for clear visibility of products while displaying Full HD content in a "see-thru" manner.



Transparent LCD Lightbox

This **86" Lightbox** is a game-changer in dynamic advertising and brand visibility. This stunning, large-scale display promises to captivate audiences with its vibrant imagery and outstanding adaptability.

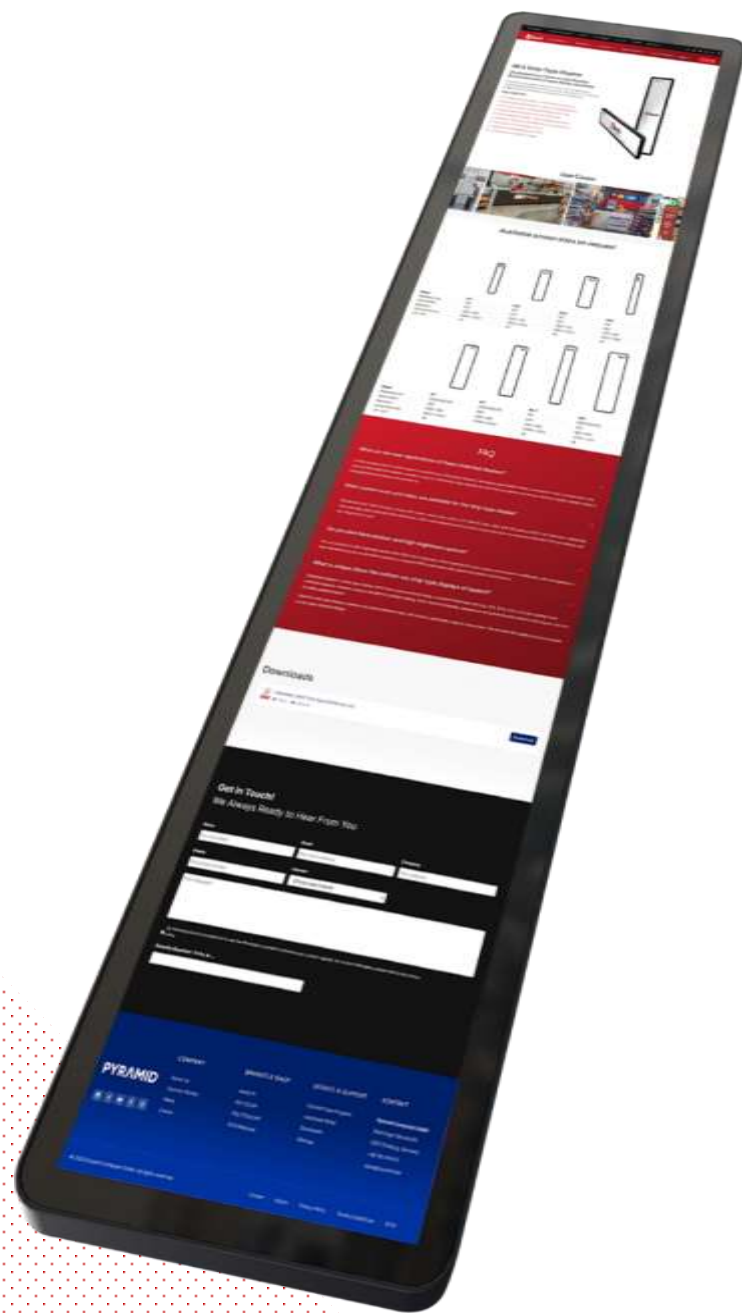




LCD Signage Solutions

Strip-Type Display

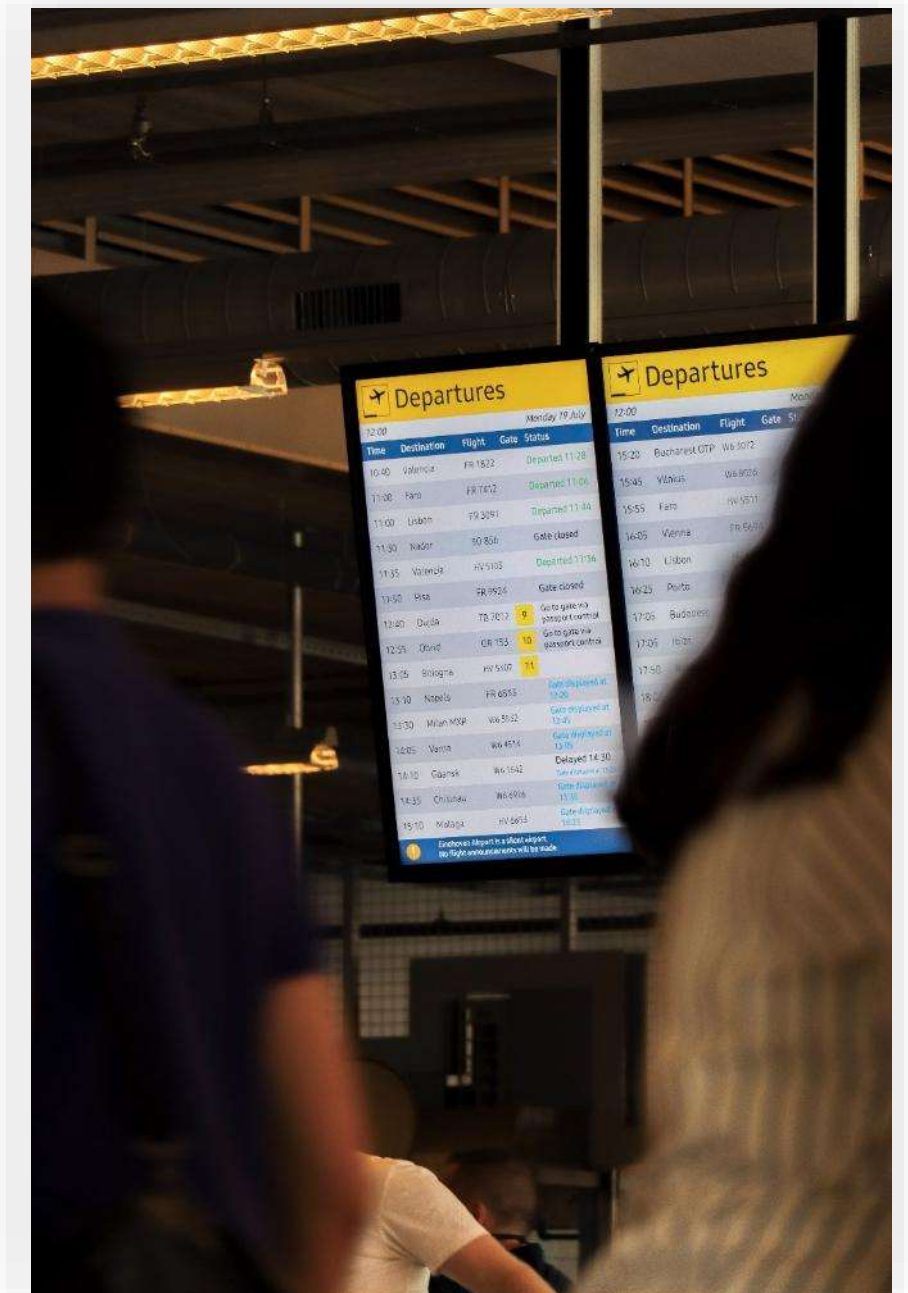
The 48.5 Strip-Type Display offers versatile, stretched, and custom-cut monitor solutions with unique ratios, making it ideal for digital signage, way-finding, and office automation in diverse settings such as shopping malls, retail stores, hotels, and hospitals.



Large Format Slim

faytech's **Large Format Slim Series** combines sleek design with vibrant displays, delivering high-quality visual experiences ideal for way-finding and dynamic advertising.

32-55" Large Format Series



Kiosk Solutions

Our **A-Frame & Standard Kiosk Solutions** are perfect for any eye-catching signs and way-finding solutions.



Curved Displays

faytech's curved optically bonded LCD displays offer an immersive viewing experience with vibrant colors and exceptional clarity, designed to enhance any interactive application while providing durability and sleek aesthetics.

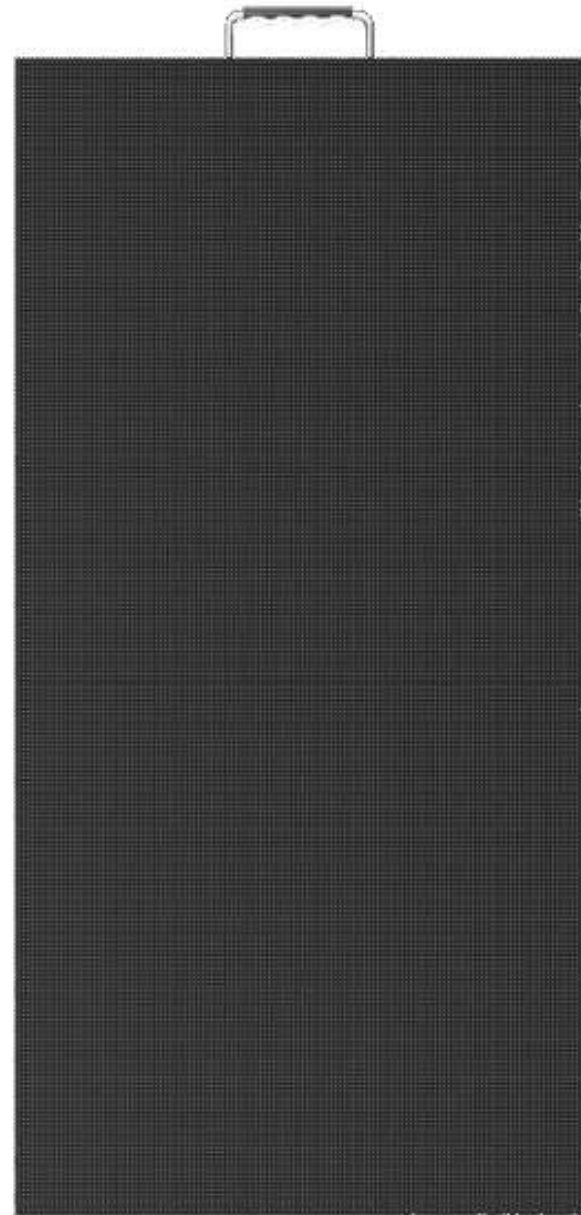




LED Signage Solutions

Indoor LEDs

Our **Indoor LEDs** are designed for fixed advertising, it is as stable performance as faytech, bringing the audience a brilliant and colorful picture quality. Built for easy operation and assembly.



Outdoor LEDs

Our **Outdoor LEDs** are designed for fixed advertising in outdoor environments. With High brightness and easy fixation is it the perfect eye-catching LED advertisement modular display.





Interactive Whiteboards

Interactive Whiteboards

faytech's interactive whiteboard revolutionizes teamwork and communication with its touch interface, vivid visuals, and seamless digital connectivity, enhancing presentations, learning, and collaboration in a cost-effective manner.

65-86" Interactive Whiteboards





Artificial Intelligence (AI)

AI Camera Rail 1.0

Ethernet & Power Connectors

- Includes 2 Ethernet ports with 2.5Gbits
- 24V DC-In power supply

AI Ready CPU

- A311D Quad-Core Cortex-A73 + Dual-core Cortex-A53 + 5 TOPS NPU inside

Casing

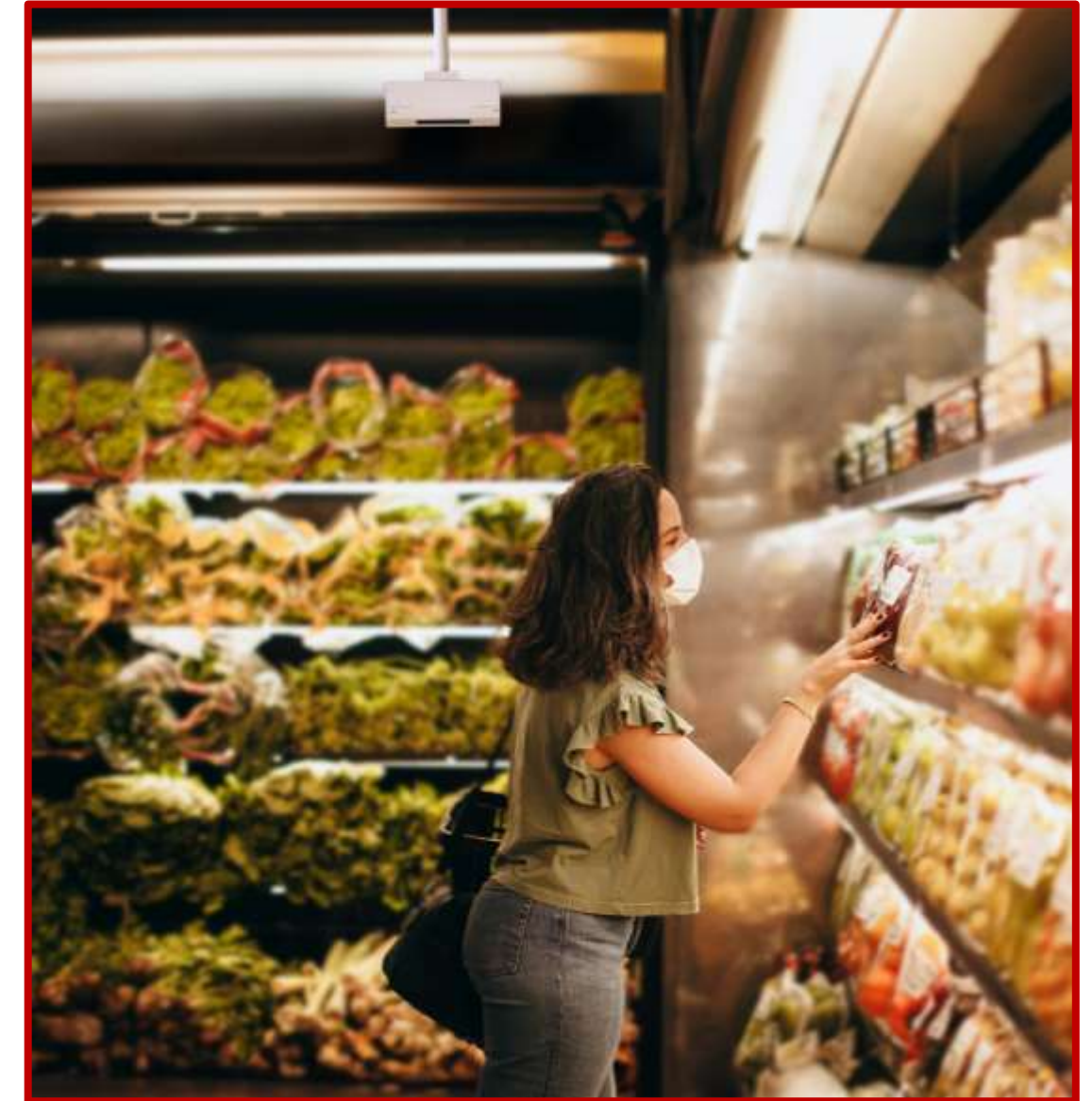
- Standard ABS or customizable options available

48MP Camera

- On rotating motor for 96° field of view
- 4K resolution, 4.2mm focal length and lens aperture of F/2.4

General

- Able to allow for Retail & Grocery automation through AI vision.
- 2.5GB switch enabling daisy chain network topology for easy integration and installation.
- perfect for tracking traffic in supermarkets or even self-checkout options.



AI Camera Rail 2.0

LED Bar Lights

- LED lights for supermarket & retail environments

Casing

- Standard ABS or customizable options available

Daisy Chain Connectors

- Multiple lights & cameras linked together through daisy chain connection
- Single network cable to cover distance of 15-30m

Additional 48MP Cameras

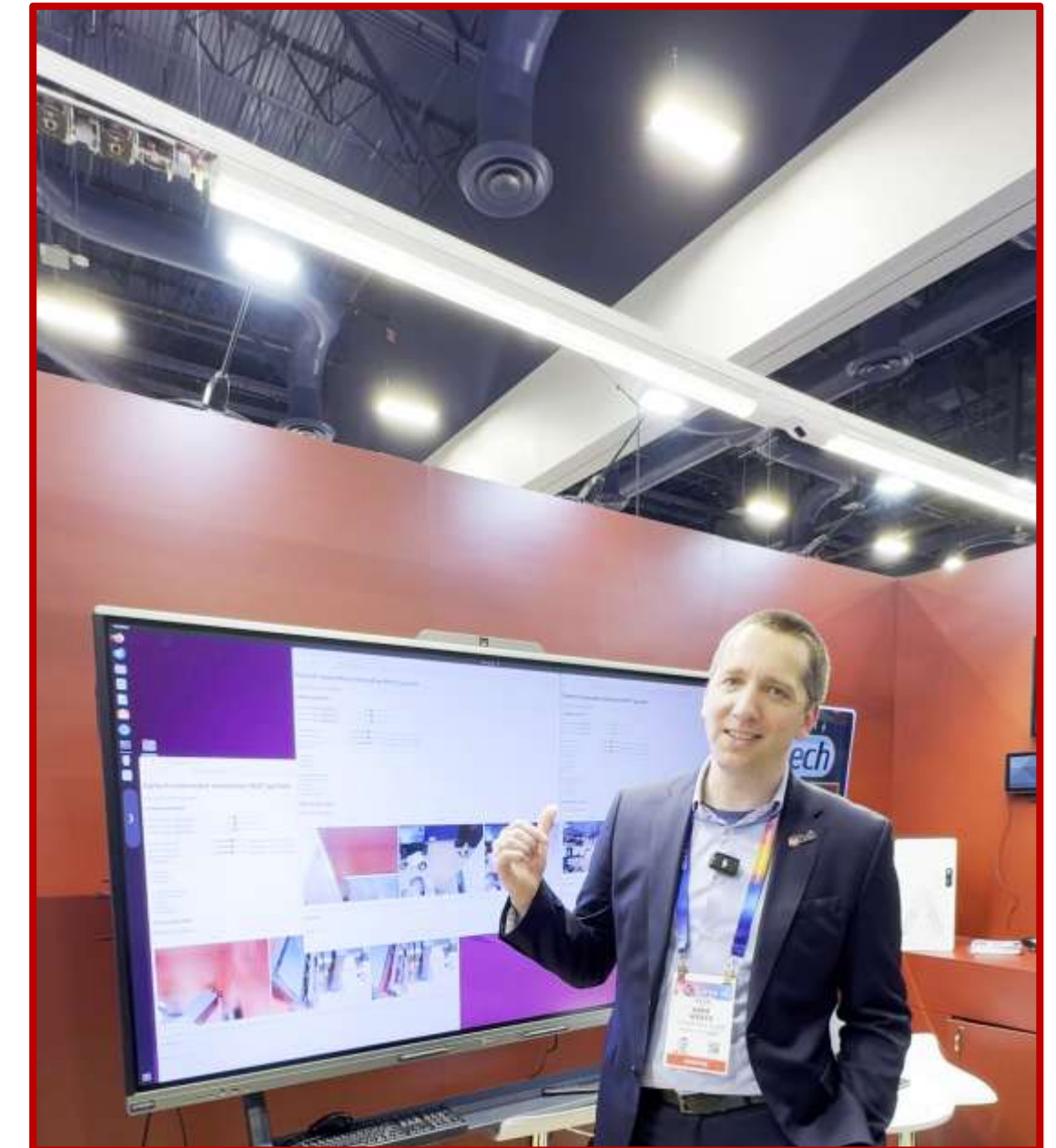
- Additional cameras to increase field of view

General

The AI Camera Rail excels at processing and transmitting data through a single network connection. Its advanced REST API capabilities enable users to adjust camera angles, modify focus, capture images, and run AI programs facilitating complete process automation.

AI Camera Rail 1.0

- Same specifications as the previously introduced camera rail 1.0
- Integrated in rail system with lights



Introduced at CES 2025

Check out the [video!](#)





Other Unique Solutions



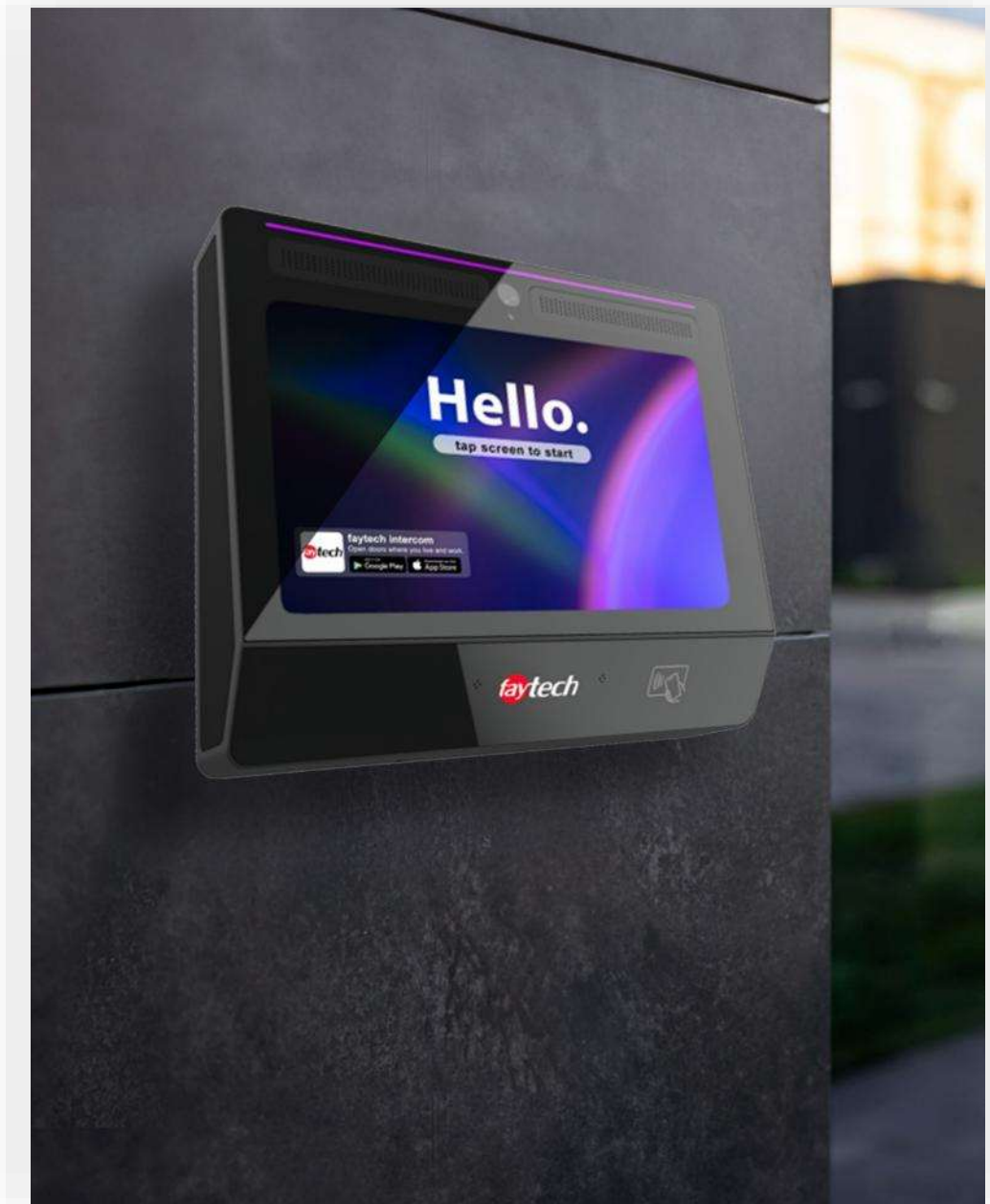
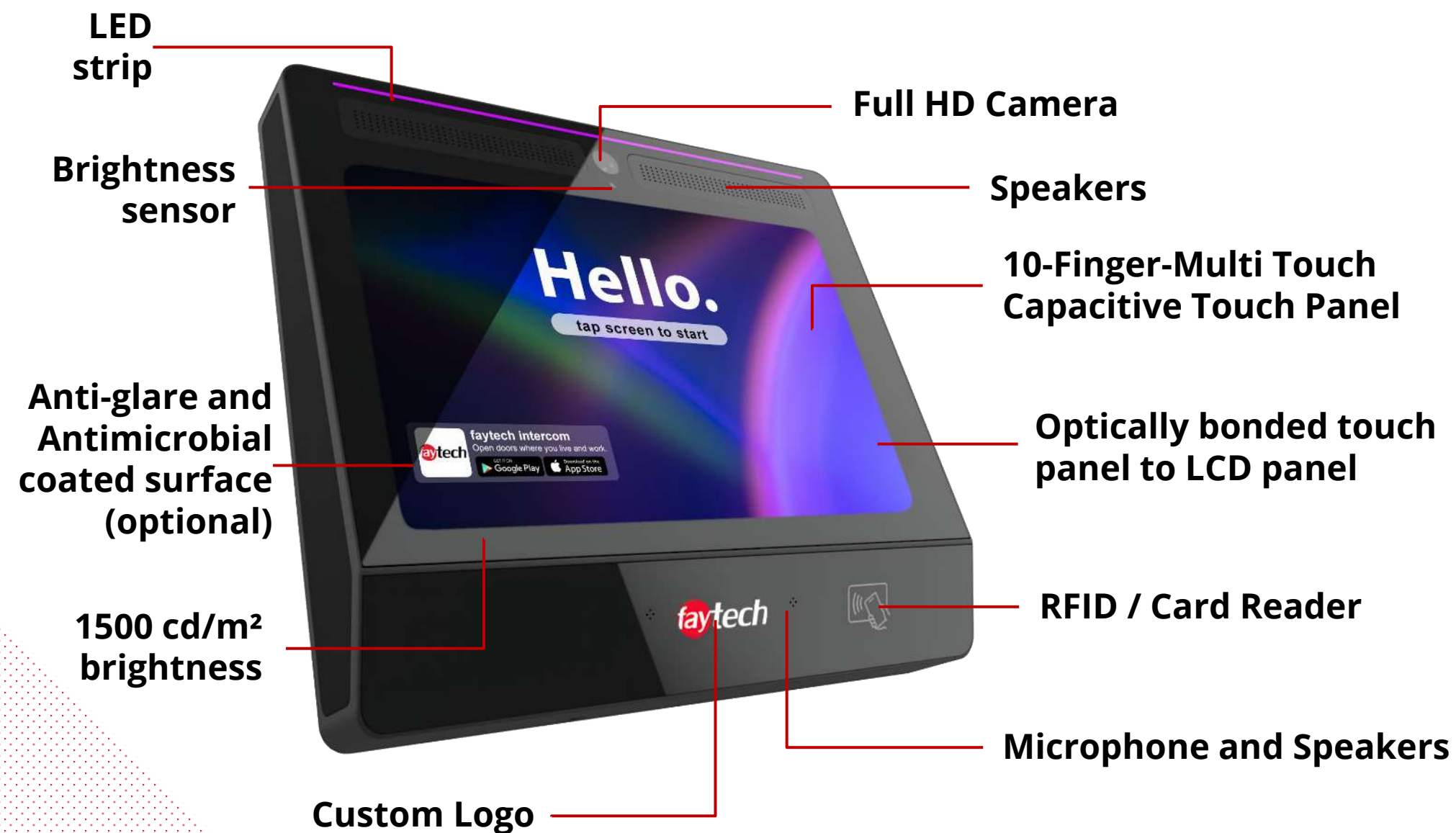
Industrial Ruggedized Tablet

The **faytech industrial tablet** combines rugged durability with an Intel® N100 or N4200 quad-core CPU, offering 8-10 hours of battery life, enhanced visibility in bright conditions, and antimicrobial protection for safe multi-user use.



Intercom System

The **faytech intercom system** features an Amlogic A311D processor with quad-core and dual-core configuration, 4GB LPDDR4 RAM, 1500 cd/m² brightness, and a rugged IP67-rated front with IP65 back, all with optically bonded display for enhanced durability and performance.





Success Stories

Display for ICS EV charging station | Outdoor Charging

- 43" Open Frame Monitor / 10.1" touch display
- High brightness, outdoor touchscreen monitor
- Reduced reflections and increased resistance to environmental influences due to optical bonding
- Front protection class IP65 (water-resistant)
- IK Impact Resistance Grade 10
- Wide viewing angle



OEM Touch Solution for NEC | Public Transportation

- Fully waterproof and dustproof IP65 housing
- eMark test mark for use in transport buses
- Vibration-resistant housing
- Customized buttons, automatic brightness control
- Integrated RFID card reader to clock-in and out
- Solution can be operated with a remote controller



Public Bus Stops in Sichuan | Outdoor Transportation

- Fully waterproof and dustproof IP65 housing
- High Brightness LED Modules & 55" LCD display
- Built for outdoor environment & sun exposure
- Includes optical bonding & vandalism proof screens
- Open frame solution for easy integration
- More than 20 locations fitted in Sichuan, with more plans for other locations



OEM Touch Solution for V-Cube | Emergency Services

- **65" Open Frame Monitor**
- **High brightness, touchscreen monitor**
- **Reduced reflections and increased resistance to environmental influences due to optical bonding**
- **40 touches point**
- **Wide viewing angle**



Touch PCs for MARO GmbH | Industrial HMIs

- **7" and 12.1" Open Frame Capacitive Touch PC (J6412)**
- **Human Machine Interface for industrial machines**
- **Complete IP65 protection for the industrial environment**
- **100k hours LED backlight for longevity**
- **3-pin 24V DC-IN for machine integration**
- **Easy integration via clamp brackets on the back of device**



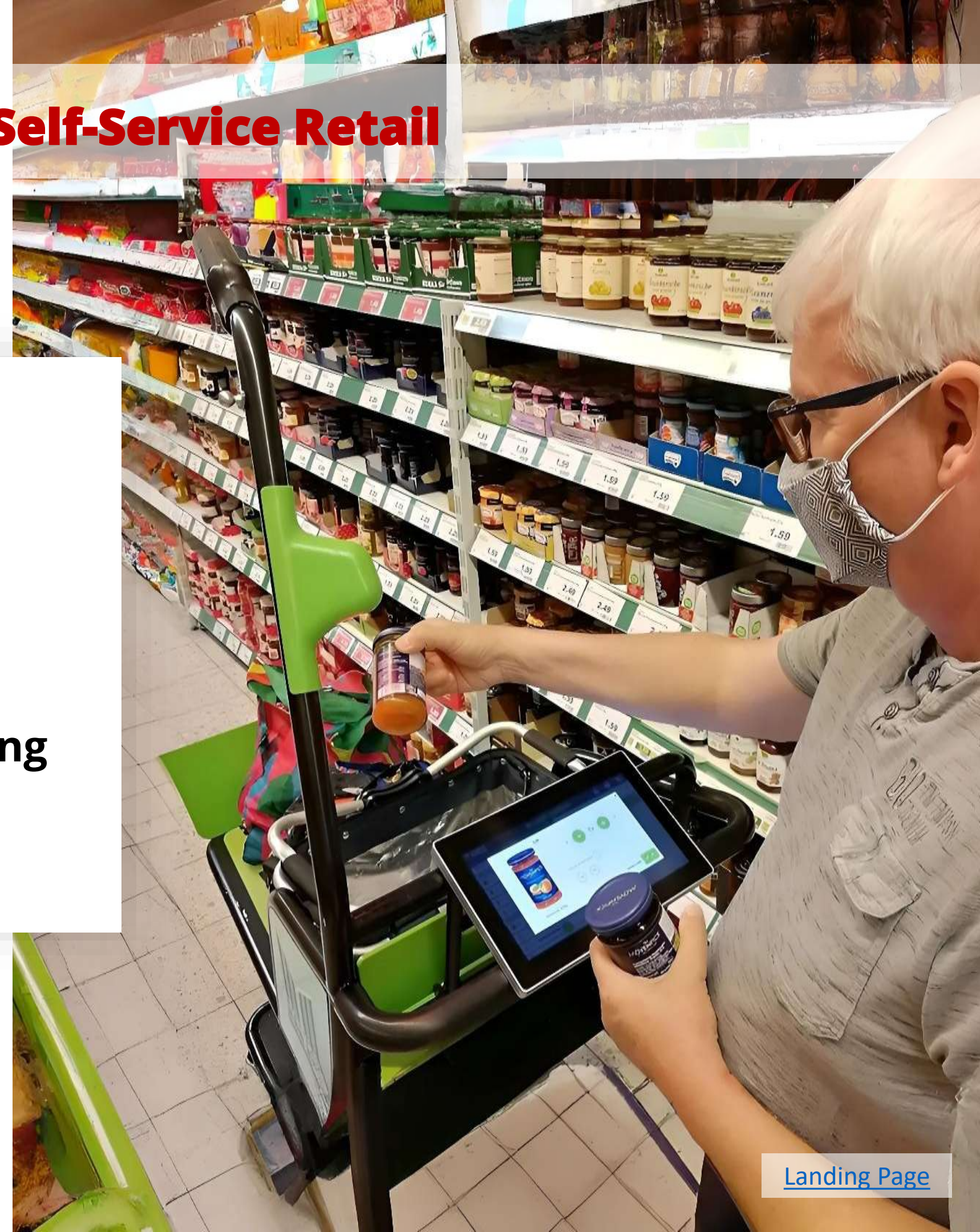
Touch PCs for Meso GmbH | Medical

- Approval for use in the operating rooms
- Image recording via wireless remote
- Live streaming up to HD resolution
- Insensitive to vibrations
- Silent and compact
- Full functionality with medical gloves
- Surface protection against bacteria and viruses



EASY Shopper for EDEKA | Self-Service Retail

- Most modern shopping cart in the world
- In use in ca. 170 stores
- 11.6" full HD touch display
- Scanner for barcodes
- Steel chassis: in-house production by factory in Suining
- On-site technical support from local technicians



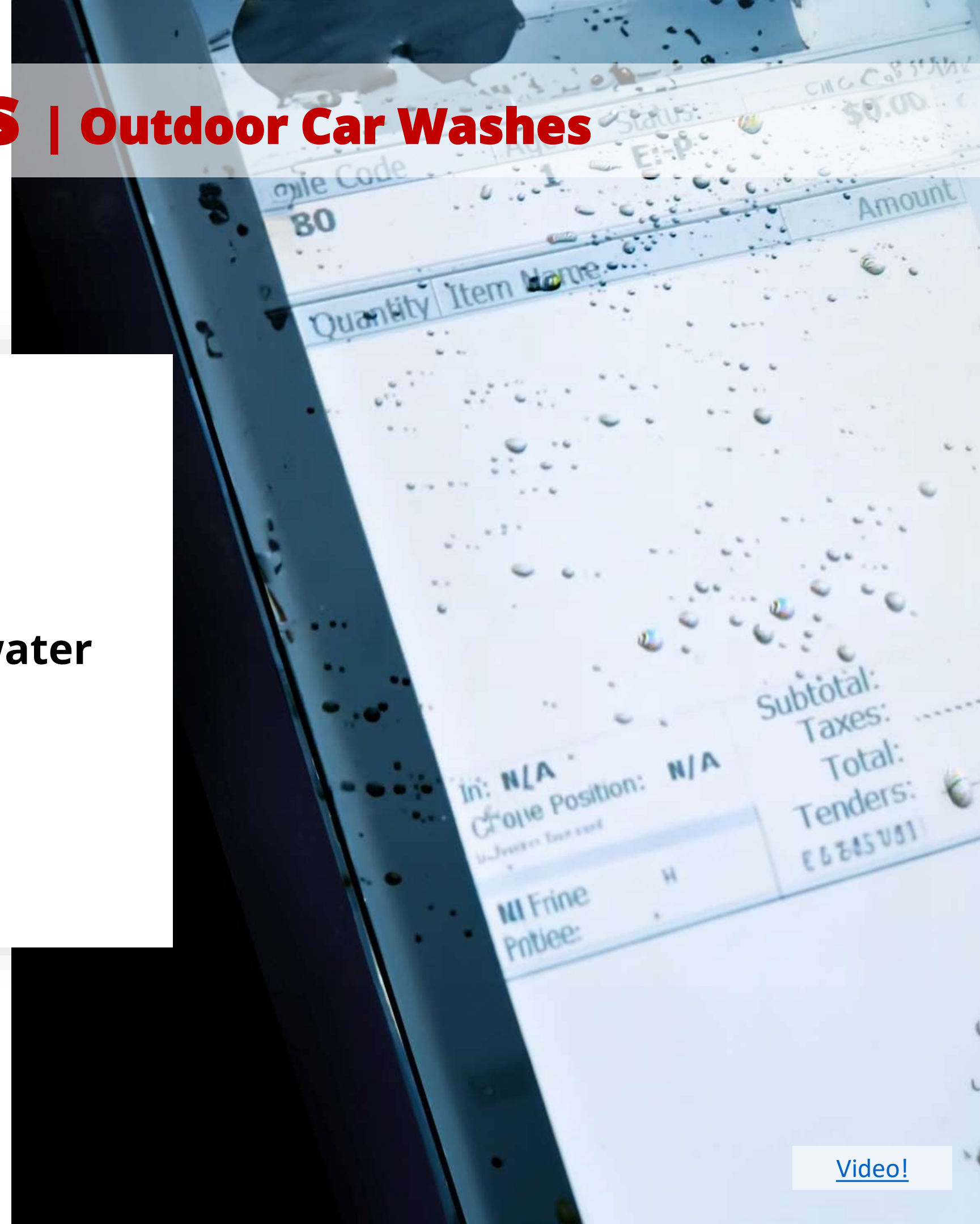
Intercom System | Entrance Control

- 7", 11.6" and 15.6" intercom system
- Indoor and outdoor access management
- Technical and visual design matched to the client's software down to the last detail
- Easy to read in bright sunlight
- Many peripheral modules



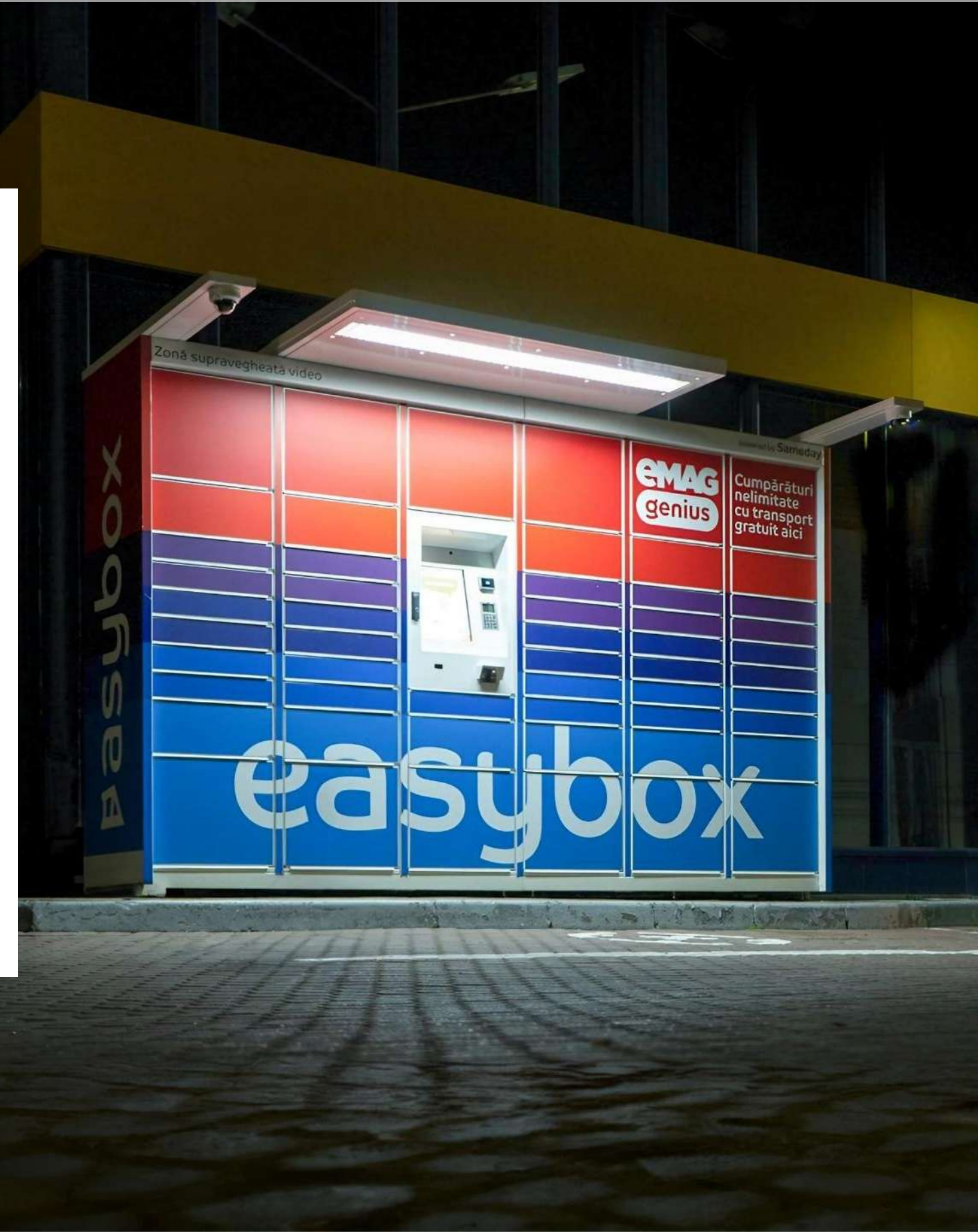
Touch PC for DRB Systems | Outdoor Car Washes

- 15" and 21.5" outdoor touch terminals (OTT)
- Car washes and car wash system
- Exposed to the weather and chemical-laden wash water
- Easy to read even in bright sunlight
- Full functionality with gloves



Touch Monitor for Rotte | Self-Service Lockers

- 15" touch monitor
- Control panel for semi-outdoor parcel station easybox
- Complete water and dust protection (IP65)
- High-brightness display
- Easy integration into easybox's operating console



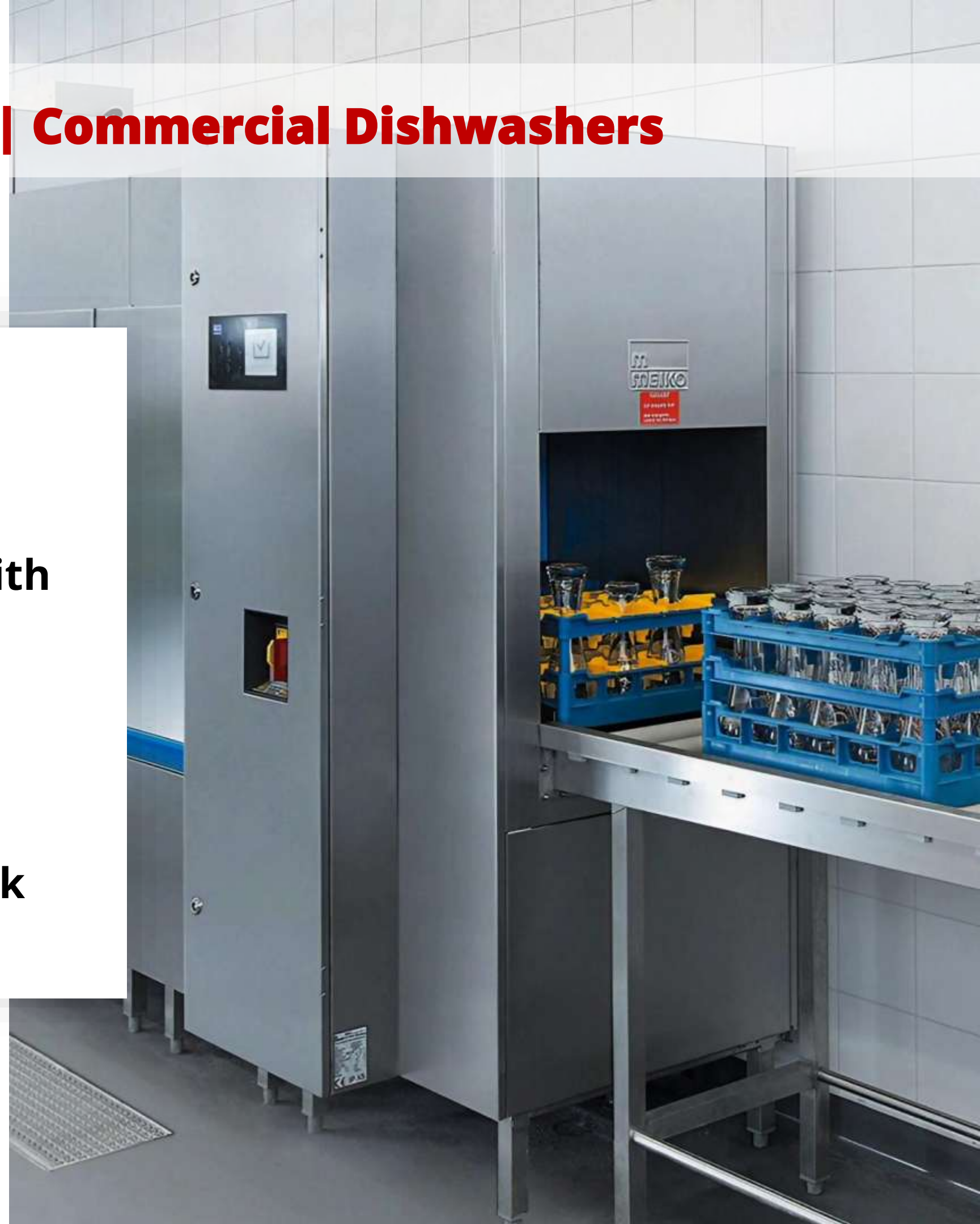
Touch Monitor for Spark | Packing Machines

- 15" capacitive touch monitor (rubber frame)
- Control panel for automatic packaging systems for web shops
- Adjusted touch sensitivity, to allow functionality with gloves
- Solid mounting using the VESA 100 holes on the back



Touch Monitor for Meiko | Commercial Dishwashers

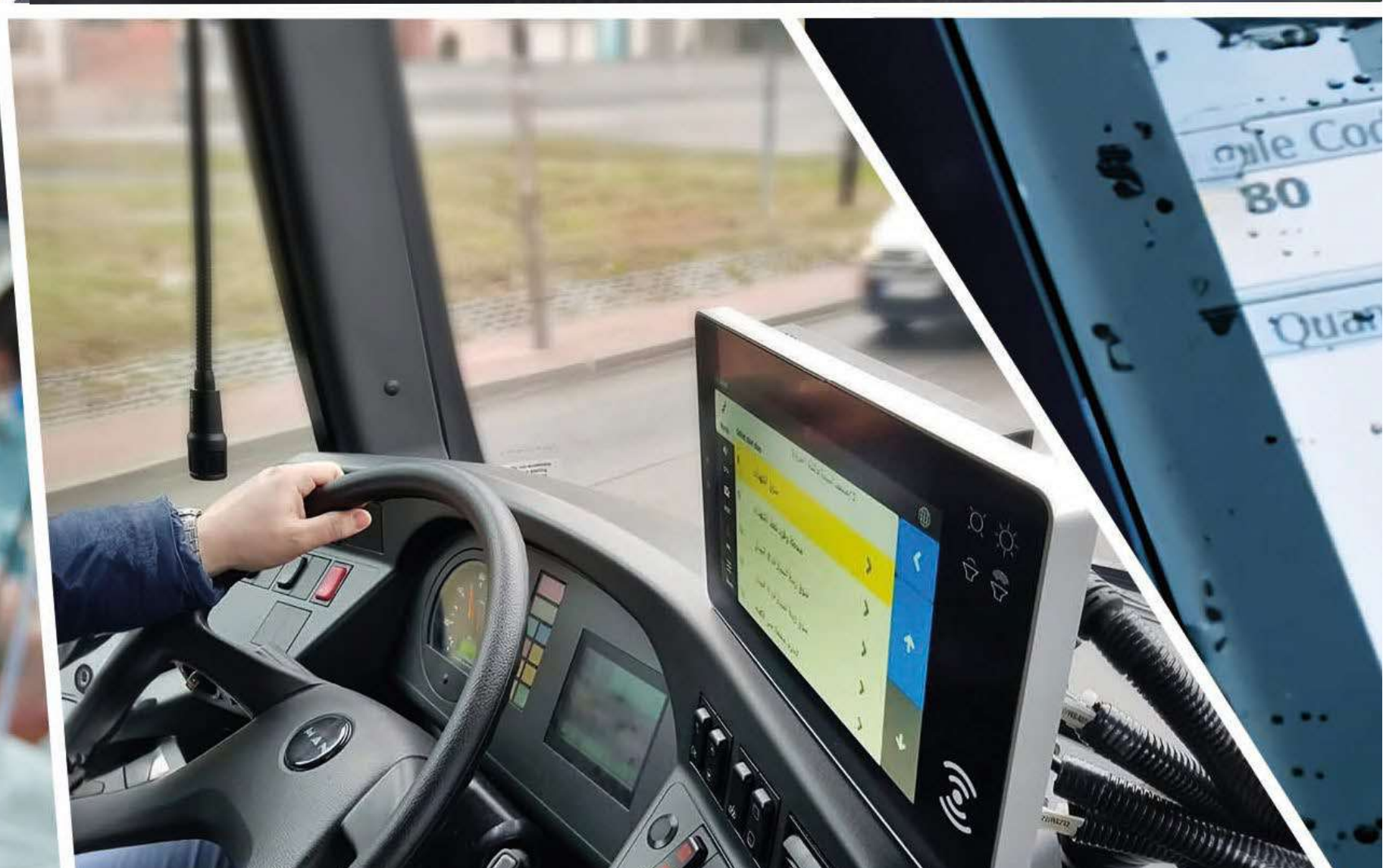
- 7" embedded touch PC with custom I/O board
- Control panel for dishwasher system
- Adjusted touch sensitivity, to allow functionality with gloves
- Rubber front for comprehensive device protection
- Integrated Wi-Fi & 4G for integration into network environment
- Solid mounting using the VESA 100 holes on the back



Touch PCs for DEOS AG | Building Automation Controls

- 10.1", 15.6" and 21.5" touch PC
- Panel to control building equipment : heating, cooling, air-conditioning, light, shading...
- OS: Android
- Anti-reflective tempered glass surface
- Ethernet for connection to the MSR system





THANK YOU

faytech.com



Your Touch Solutions Specialist