



AIRxTOUCH[®]



WHITE PAPER

03.03.2023

**Touchless solution designed
for the Foodservice industry**

Summary

Foodservice goes touchless

- 4 Deployments 1/2 →
- 5 Deployments 2/2 →
- 6 Testimonial · St-Hubert →
- 7 Press Releases →

AIRxTOUCH® Click is in the air

- 9 The problem →
- 10 The solution →
- 11 Our technology →
- 12 Value proposition →
- 13 IP & Trademarks →

AIRxTOUCH® Kiosk 55”

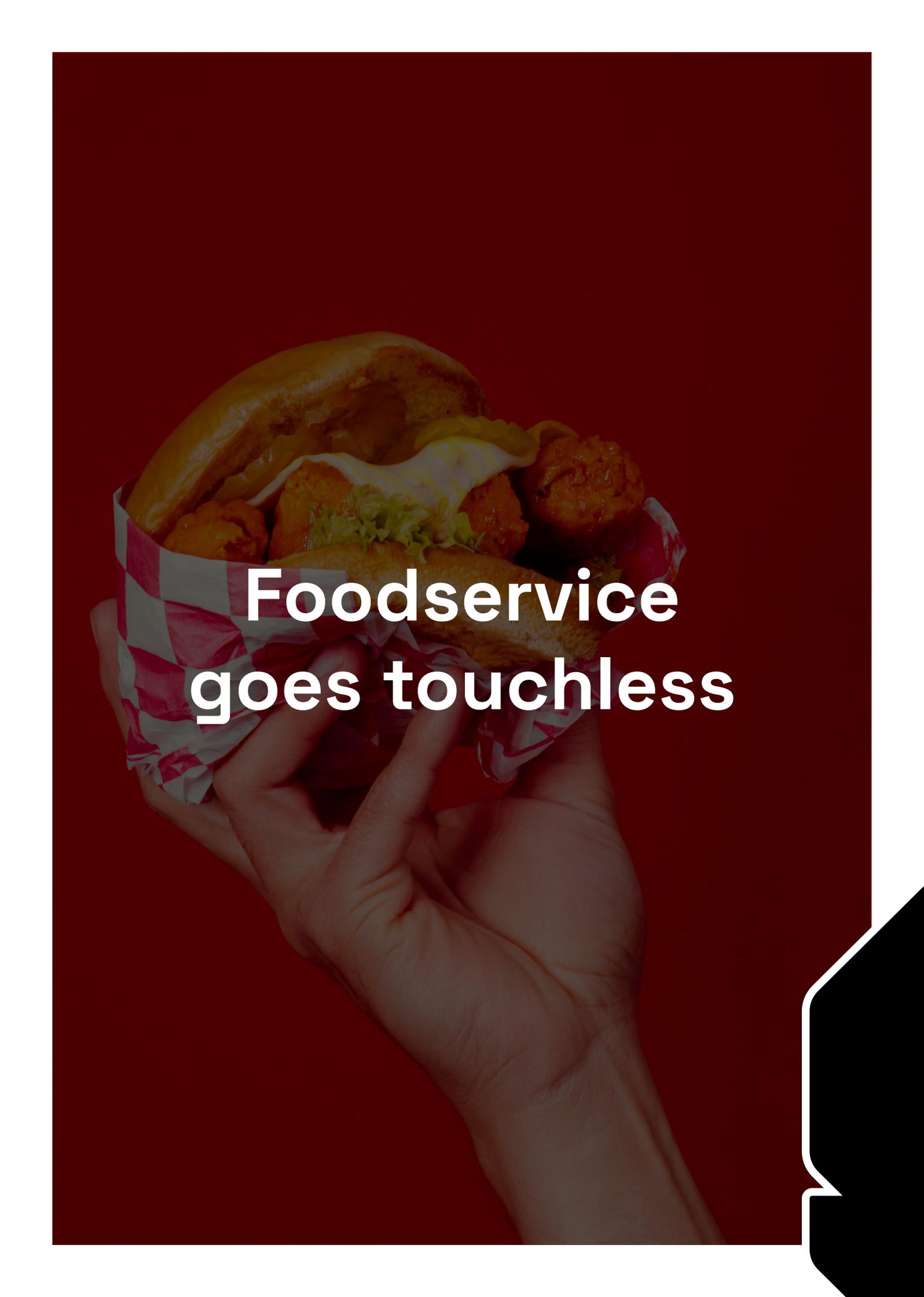
- 15 Overview →
- 16 Product dimensions →
- 17 Tech specs →

AIRxTOUCH® Kiosk 55”

- 19 Design concepts →

Sustainability in mind

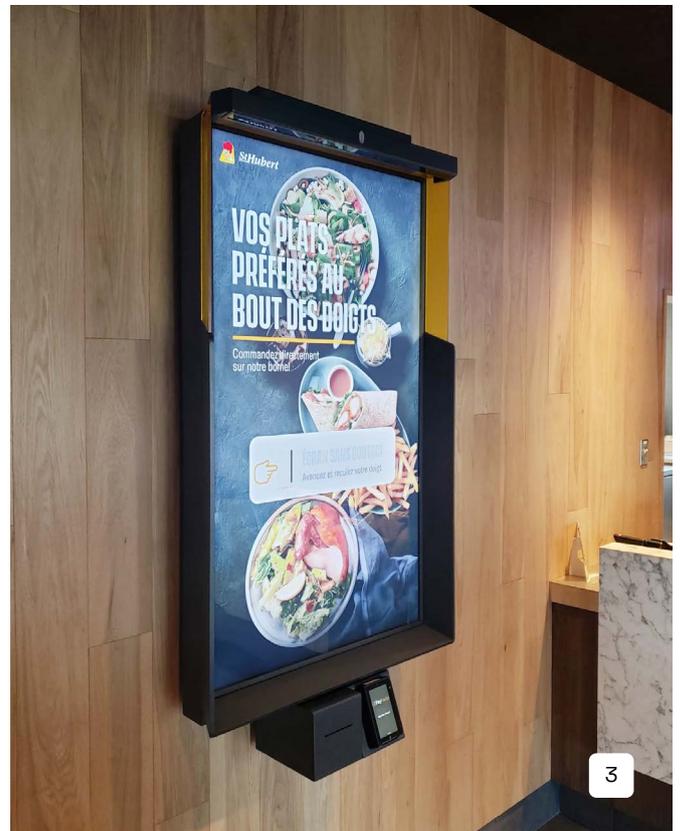
- 21 Be conscious →

A hand is shown holding a sandwich wrapped in red and white checkered paper. The sandwich is filled with a bun, lettuce, a slice of egg, and several pieces of fried chicken. The background is a solid dark red color. The text "Foodservice goes touchless" is overlaid in white, bold, sans-serif font.

**Foodservice
goes touchless**

Deployments 1/2

FOODSERVICE
NORTH AMERICA



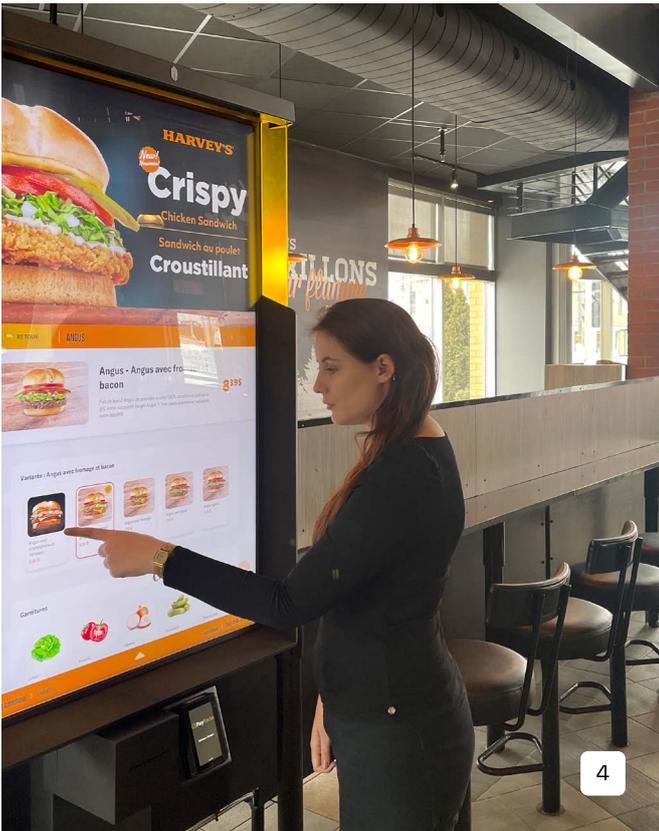
1 St-Hubert Saint-Martin Ouest · Laval, QC

2 St-Hubert Ste-Dorothée, QC

3 St-Hubert Candiac, QC

Deployments 2/2

FOODSERVICE
NORTH AMERICA



DID YOU KNOW?



To date,
38 restaurants across
Canada have deployed
AIRxTOUCH® KIOSK enabling
their clients to take orders
in a touchless way!



4 Harvey's Verdun, QC

5 Harvey's Pointe-aux-Trembles, QC

Testimonial



About St-Hubert

Industry Foodservice

Country Canada

Founded 1951

Founded in Montreal – Canada – Les Rôtisseries St-Hubert Ltée includes more than 120 restaurants in Quebec, Ontario and New Brunswick, and serves over 28 million meals each year.

In addition to its Restaurant division, St-Hubert Group also has a Retail division which manufactures and distributes several food products under the St-Hubert brand and other trademarks, such as: sauces, soups, ribs, meat pies and chicken pot pies.

The Company has a long tradition for innovating and constantly adapting to meet its customers' needs.

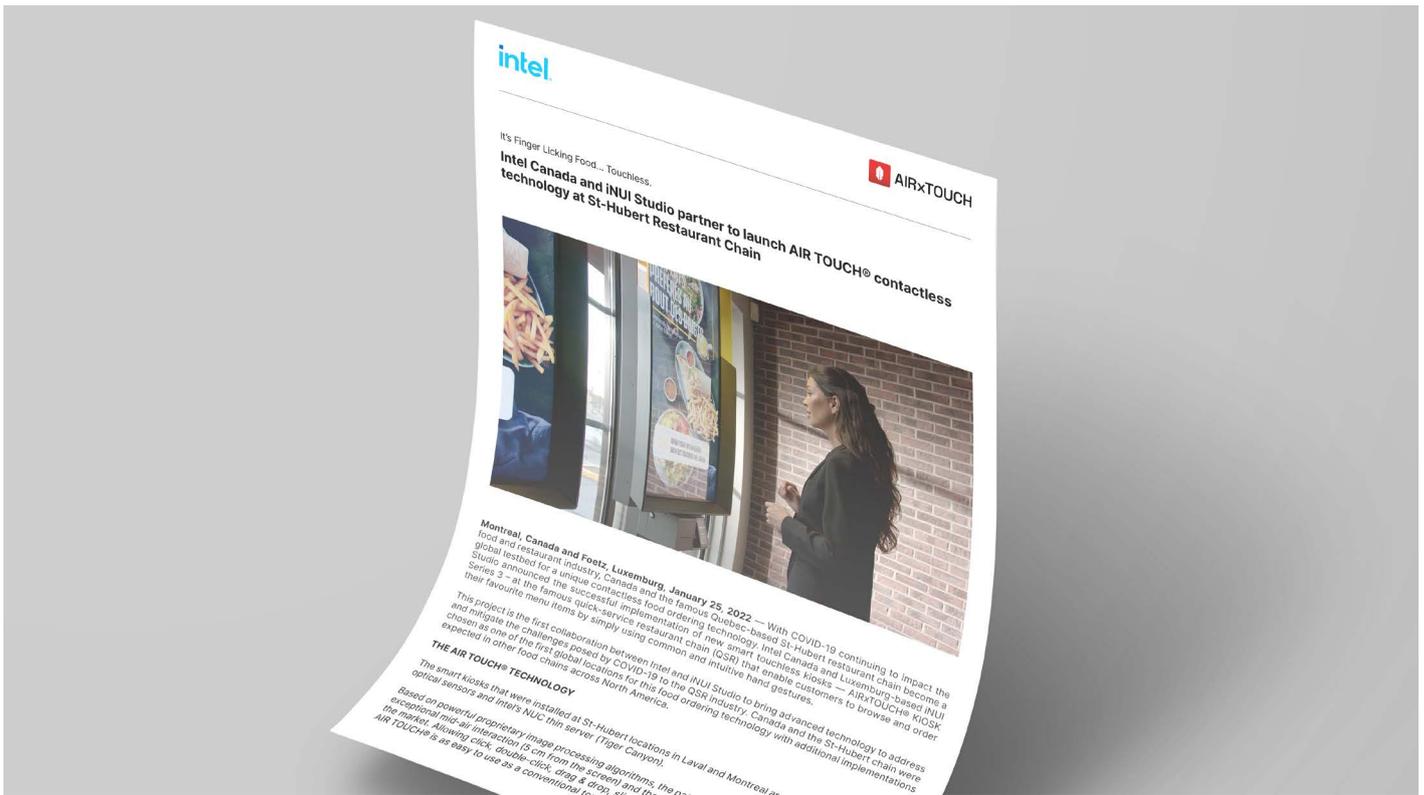
St-Hubert Group is now a part of the Recipe Unlimited Group that is Canada's oldest and largest full-service restaurant company (1,300 restaurants, 11 brands).

"WITH AIRXTOUCH,
ST-HUBERT WILL
CONTINUE TO DELIVER
HAPPINESS !"

Katherine Harton

Vice-president Operations
St-Hubert Group

Press Releases



SAMSUNG

Samsung Canada brings innovation to foodservice industry with unique touchless display solution

[READ](#)

intel.

Intel Canada and iNUI Studio partner to launch AIR TOUCH® contactless technology at St-Hubert Restaurant Chain

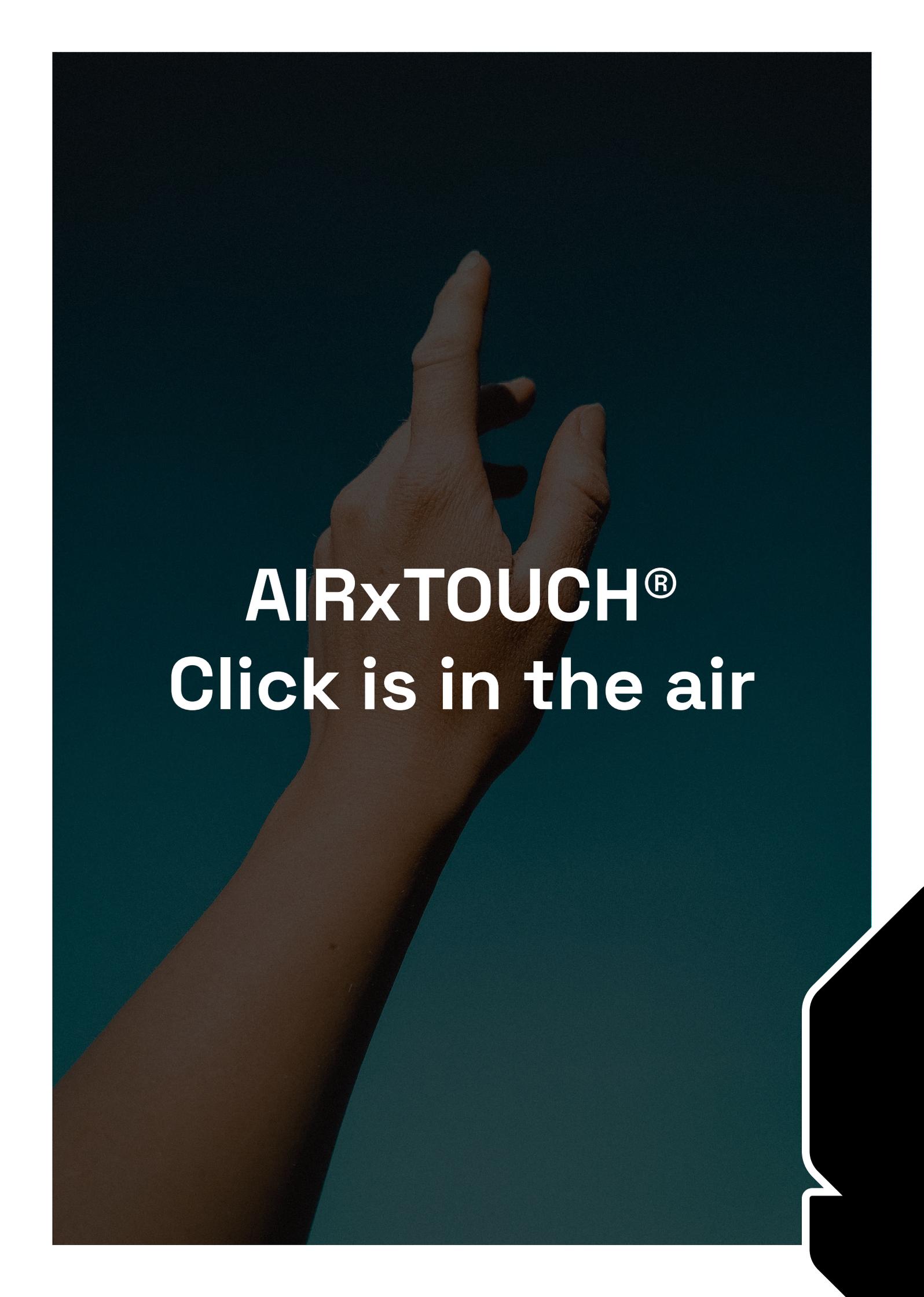
[READ](#)

Direct link:

https://news.samsung.com/ca/samsung-canada-brings-innovation-to-foodservice-industry-with-unique-touchless-display-solution?utm_source=rss&utm_medium=direct

Direct link:

https://airxtouch.com/pdfs/2022/0076_AXT_S3_PR_St-Hubert_Intel_Canada_EN.pdf

A hand is shown from the wrist up, reaching upwards with the index finger pointing towards the top of the frame. The background is a dark teal color. The text is overlaid on the hand and background.

AIRxTOUCH®
Click is in the air

The problem



80% of survey respondents want to avoid public touchscreens because of hygiene conditions ^①



Resources

- ① The Shekel Group Consumer Survey
- ② London Metropolitan University / Dr Paul Matewele – Microbiologist “Tests find traces of faeces on popular restaurant touchscreens” · [Read](#)
- > Intel · Touchless Technology: Benefits and Applications · [Read](#)

GO FURTHER

Touchscreens are usually microbially contaminated and can therefore act as infection vectors. The most frequent microorganisms are staphylococci, bacilli, micrococci, enterococci, pseudomonads and E. coli with small differences between hospital and community environments.

UV disinfection is one way to clean the screens but it is absolutely non viable since:

- it's a long process (several minutes) that should be done after each customer.
- it can leads to progressive screen degradation.
- it involves high energy consumptions.
- it can cause injuries to humans.

Source: US National Library of Medicine · [Read](#)

Several studies like the one led by the London Metropolitan University ^② revealed that public touchscreens are reservoirs for viruses, germs and bacterias. Including dangerous ones.

The existing touch-alternative solutions available on the market are not efficient and / or not convenient at all:

- ✗ Voice control
- ✗ Mobile phone Apps
- ✗ Antimicrobial screen coatings
- ✗ Hand sanitizer & gloves stations
- ✗ Wearing disposal gloves
- ✗ Regular screen cleaning

The solution

We eliminate the need of physical contact
to interact with public touchscreens

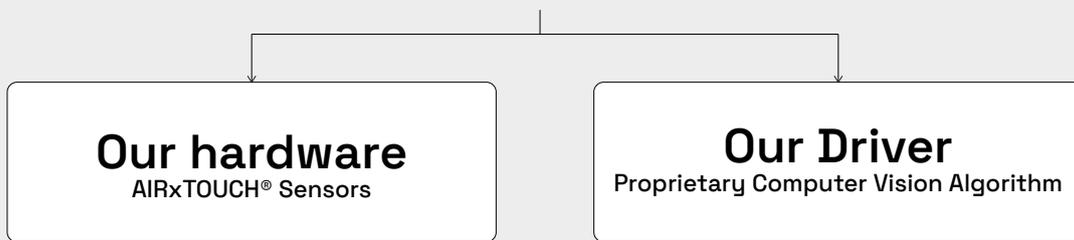


AIRxTOUCH® enables Mid-air interactions.
You click “in the air” at a distance of 4 cm from the display.



Our technology

AIRxTOUCH® is a touchless interaction technology

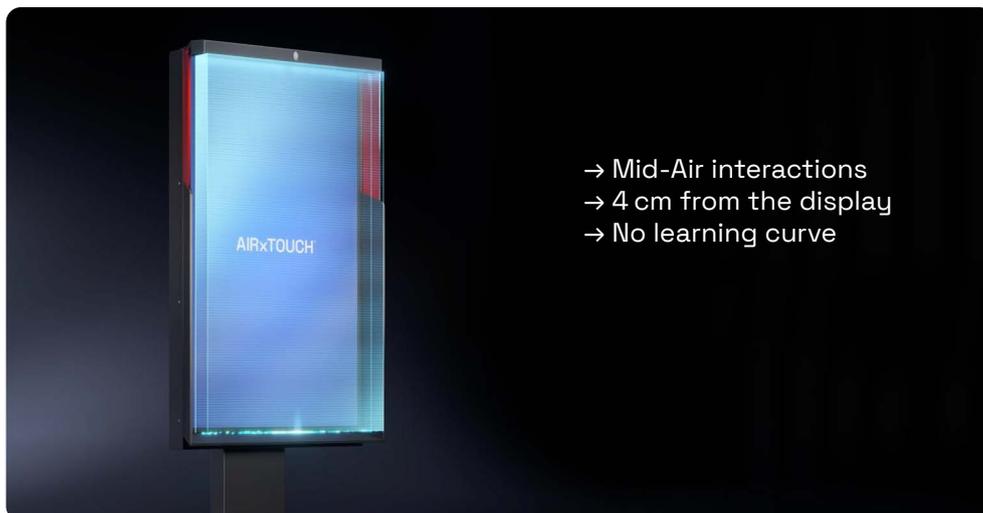


Granted patents
USA and Europe



AIR TOUCH® · AIRxTOUCH®
Registered trademarks

= A strong technological barrier to entry



Value proposition

The Best Touchless Experience
on the market.



Intuitive

AIRxTOUCH® is easy to use from the very first time: no learning curve.



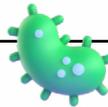
Accurate

No missclicks even on a virtual keyboard, thanks to the 3 mm accuracy.



Responsive

Real-time gestures tracking delivering a very natural feeling.



Highly hygienic

No physical contact means...
no germs transfer.

IP and Trademarks

Our granted patents

Status	Reference	Coverage	Description	Link
Granted	US10310619B2	USA	User gesture recognition	See ↗
Granted	LU92291B1	Luxembourg	User interface processing	See ↗
Granted	LU92408B1	Luxembourg	User gesture recognition	See ↗
Granted	EP15709455 / WO2015/139969	Europe	User gesture recognition	See ↗

Our Trademarks

Name	Filing Number	Registration date	Expiration Date	Link
AIR TOUCH	167 95 023	04.10.2017	01.06.2027	See ↗
AIRxTOUCH	126 47 657	30.07.2014	28.02.2024	See ↗

COMMANDEZ ICI

BORNE SANS CONTACT

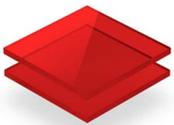
COMMANDEZ
DIRECTEMENT
SUR NOTRE BORNE!

ÉCRAN SANS CONTACT

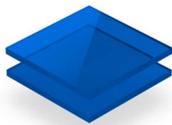
AIRxTOUCH® Kiosk 55 inches

ICI, LES GOURMANDS
GAGNENT DES PÂTES !

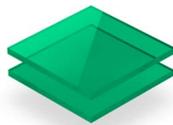
Overview



Lava red



Atlantic blue



Mint green



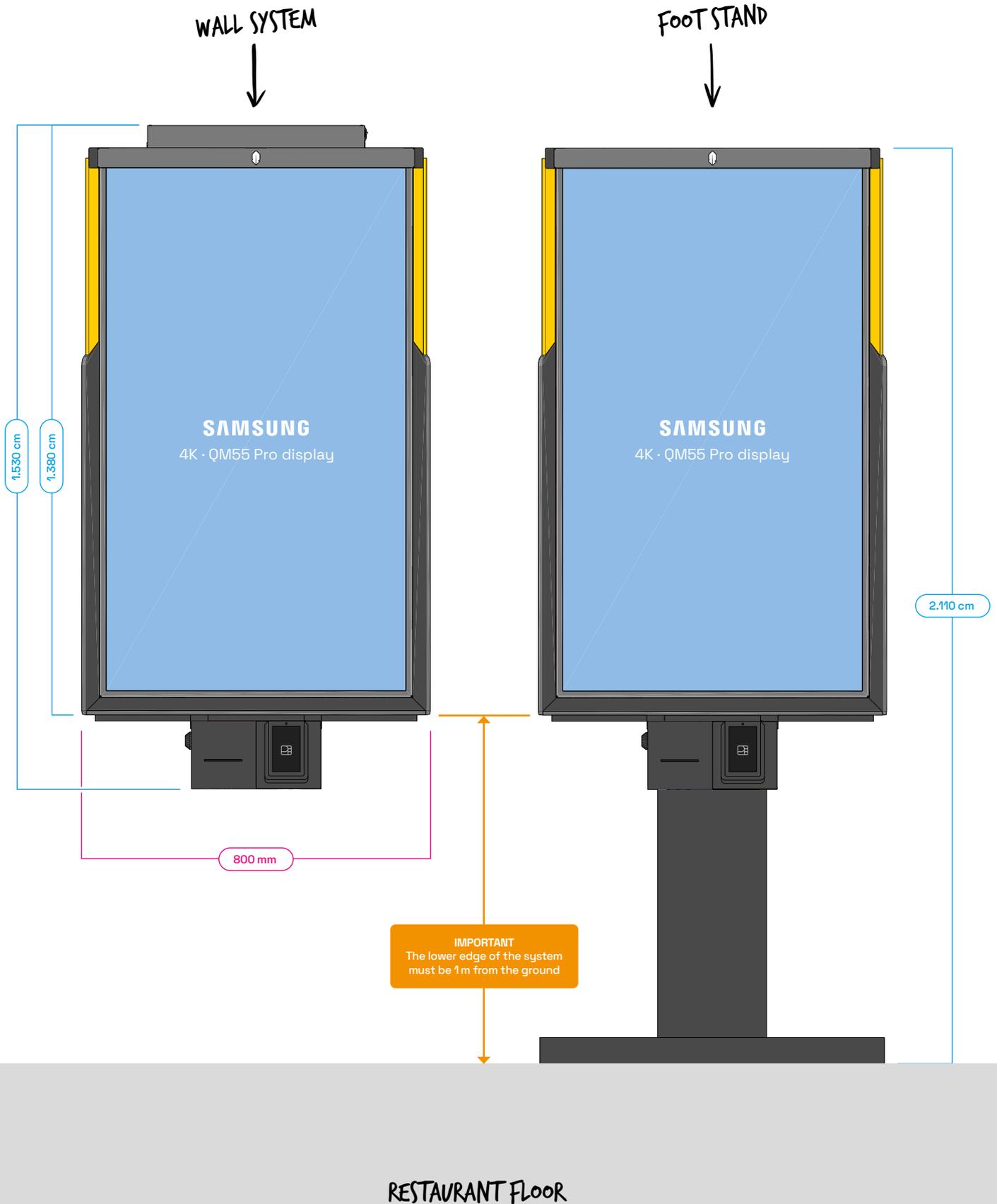
Honey yellow



Frosted white

- 1 Back side of the system
- 2 AIRxTOUCH® Kiosk 55 + Wall System + Shop pack (printer & payment terminal)
- 3 AIRxTOUCH® Kiosk 55 + Foot stand + Shop pack (printer & payment terminal)
- 4 Lateral view of the system

Product dimensions



Tech Specs

AIRxTOUCH® Kiosk 55		US Patent Nr. 10310619
RESPONSE TIME	1 ms	
DEPTH TOUCH ZONE	4 ⇄ 8 cm	
DEPTH TRACKING ACCURACY	3 mm	
LIGHT CONDITIONS	Up to 120.000 lux (=summer sunlight)	
SETUP	No calibration · Plug & Play	
WARRANTY	2 years (expandable to 3 years)	

PLAYER		intel
FORM FACTOR	Intel NUC	
PROCESSOR	Intel Core i5 · 2.6 Ghz	
RAM MEMORY	8 Gb	
HARD DRIVE	120 Gb SSD	
WI-FI	Wi-Fi 802, 11n Standard + Bluetooth	
EXTERNAL USB	× 4	

55" PROFESSIONNAL DISPLAY		SAMSUNG
PRODUCT DESCRIPTION	55" QM55R LED · 3840 × 2160 px (4K UHD)	
IMAGE	High Brightness 500 nit 4000 : 1 Contrast Ratio 24 / 7 Operation Energy class A	
VESA MOUNT	Included	

AIRxTOUCH® Foot stand		By HUMElab
DIMENSIONS	1.785 × 800 × 400 mm	
WEIGHT	40 Kg	
FINISH	Matte grained black coating	
SPECS	Built-in invisible PC slot · Integrated 5v alim	

AIR TOUCH® TOUCHLESS WINDOWS 10-11 DRIVER						Compatible with .NET & HTML5 Apps · Native Windows Touch Events
CLICK	DOUBLE-CLICK	RIGHT CLICK	DRAG & DROP	ZOOM · IN / OUT	SLIDE	
						



AIRxTOUCH[®] Kiosk
32 inches

Design concepts



Suitable for counters AND for wall installations

NEW

AIRxTOUCH® Kiosk 32 is the compact interpretation of the unique touchless experience delivered by our technology. This kiosk will be available with a fully equipped **counter base** (incl. a thermal printer and a payment terminal) or with the “Wall System” for a **wall installation**.



Sustainability in mind



Be conscious

MANUFACTURING

We favour the most local production possible with partners chosen to guarantee optimal manufacturing quality and reliability. **Our products are designed to last** and can be completely disassembled for the replacement of parts on the spot and without unnecessary extra cost. We have also chosen to produce on a just-in-time basis, thus avoiding unnecessary use of resources: everything that is produced is sold and deployed.

Steel / Aluminium · 95% of the kiosk	France
Plexiglas	Switzerland
Transport box (wood)	Luxembourg
Electronic	Asia
Assembly	Luxembourg

RECYCLING

When designing AIRxTOUCH® KIOSK, we made it a priority to use **mostly Steel and Aluminium** – which are recyclable metals – to avoid using plastics. Almost all of our bollards are made of metal and are therefore recyclable. Our transport boxes are made of PEFC wood: reusable and locally produced. The Plexiglas can be melted and the electronics recovered after treatment.

Steel / Aluminium · 95% of the kiosk	Recyclable
Plexiglas	Recyclable
Transport box (wood)	Reusable
Display	Recyclable
PC	Recyclable

ENERGY : DISPLAY

Model	QM55R
Energy consumption (OFF Mode)	N.A.
Energy consumption - Typ	108 W
Consumption under tension (W/h)	143
Standby power consumption	0.5 W
Programming the shutdown	Yes
Energy class	A

ENERGY · PC

Beyond their excellent performance, we chose the Intel NUC mini PCs because they are designed:

- › from **recycled plastics** (especially their chassis) ;
- › with **energy-saving** manufacturing processes (-25%) ;
- › with **100% recyclable or reusable** packaging ;
- › to be potentially **reused, repaired or recycled** through Intel's "RMA" program. By 2021, Intel has prevented 99.5% of returned hardware from going straight to landfill.

Programming the shutdown	Yes
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LOGISTIC

For the delivery of our products, we mostly work with:

- › local transport companies operating a recent fleet ;
- › the optimization and mutualization of our shipments.

For North America, we will set up local production, thus avoiding Europe → America shipments.

Europe	Road
North America	Sea
Middle East	Sea

NEXT STEPS

Our short and medium term objectives:

- › Simplify / optimize the product design (hardware) to **reduce the number of components** ;
- › Set up a production unit in North America to serve the local market: promote **local employment** + eliminate shipments from Europe to America in order to **reduce emissions**.
- › Encourage the use of carriers equipped with hybrid and/or electric trucks that are **more environmentally friendly**.
- › Study the feasibility of producing kiosks from **recycled / recovered materials**.