

# Zytronic Projected Capacitive Touch Kits

## Custom Touch Solution in any Design

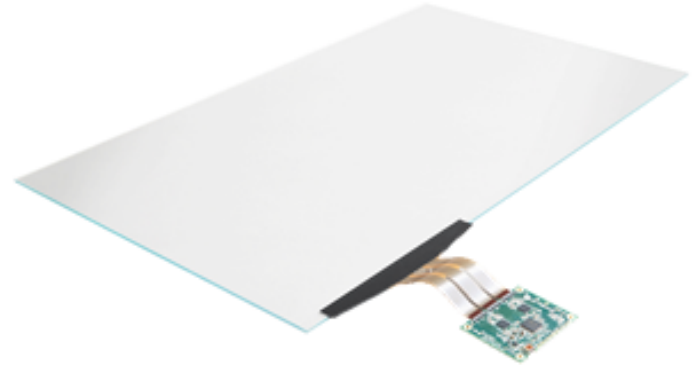
Need a unique touch screen designed? Let us help you build your future projects with a customised touch sensor up to 90" in size and 20mm in thickness. These touchscreen solutions are available in almost any shape or design, with single, dual or multiple touch points, with antiglare or antireflective coating and vandal-proof and water-proof solution, made in Europe.

## Award-winning Technology

Projected Capacitive Touch (PCT) is fast becoming one of the most dominant touch technologies for an expanding variety of applications, ranging from consumer devices to commercial applications in retail and gaming.

Zytronic's patented and internationally award winning PCT technology uses an array of sensing wires embedded within a glass or plastic layered laminated screen. These very fine wires are near-invisible to the human eye and do not impair brightness or visibility of the underlying display system.

Unlike conventional capacitive, acoustic and optical touch sensors the active component of PCT™ is embedded behind the front substrate, ensuring protection, long life, and stability.



### Recommended Applications

- Ticket and Vending Machines
- Point of Information Displays
- Digital Signage
- Gaming
- Industrial
- Exhibits and Museums

### Benefits

- Unique touchscreen designs with no/low tooling fees
- Any quantity you need, 1 or 1,000's
- Toughened, curved, printed, machined options
- Unsurpassed reliability and durability
- Capable of detecting 80+ touches with millisecond response
- All-weather functionality and unaffected by surface dirt
- Vandal resistant and gloved hand operation
- Size range from 5" to 90"
- Fully HID compliant "plug-and-play" under Windows, Linux and Android

### Performance

Touch Inputs	1 to 100 points
Input Method	Finger, gloved hand or any other opaque stylus
Accuracy	<1mm
Optical Resolution	>4 lines/mm (NBS1963A)
Glass	Various glass types and thickness's available
Light Transmission	~90%
Operating Temperature	-35°C to +70°C

### Electronics

Communication	USB or Serial
Power Consumption	0.2-1.25 W, depending on size

### Mechanical

Sensor Thickness	1 - 10mm
Graphics	Any design
Display Size	Up to 90"
Hardness	Mohs 7
Sealing	Can be sealed to meet NEMA 4, 12 and IP 65 standards
Water Resistance	Unaffected by water droplets or condensation