



ZYTRONIC DATA SHEET

ZXY150™

The ZXY150™ controller is designed to support small format multi-touch sensors manufactured by Zytronic

ADVANTAGES

- 10 independant touch points
- Supports sensors sizes 7" - 22"
- Enables rapid touch detection
- Support for Win7, 8 & 10, as well as Linux 3.5.1+ Kernels (10 point touch)
- Detachable and completely independant of the touch sensor
- Output protocol available on request
- Wide range of operating systems supported

OPERATION

The touch sensor is divided into an X - Y matrix of sensing cells, using an array of embedded 10µm copper electrodes, which are near invisbale to the human eye on the powered display. These electrodes are connected to a controller board and a charge is applied to the array.

When a finger or conductive stylus approaches the surface of the sensor a change in the charge is detected in the nodes immediatley beneath adjacent cells; the position is then determined by the controller and firmware combination. Unlike conventional capacitive systems the active component of PCT™ is embedded behind the front substrate, ensuring protection, long life and stability.

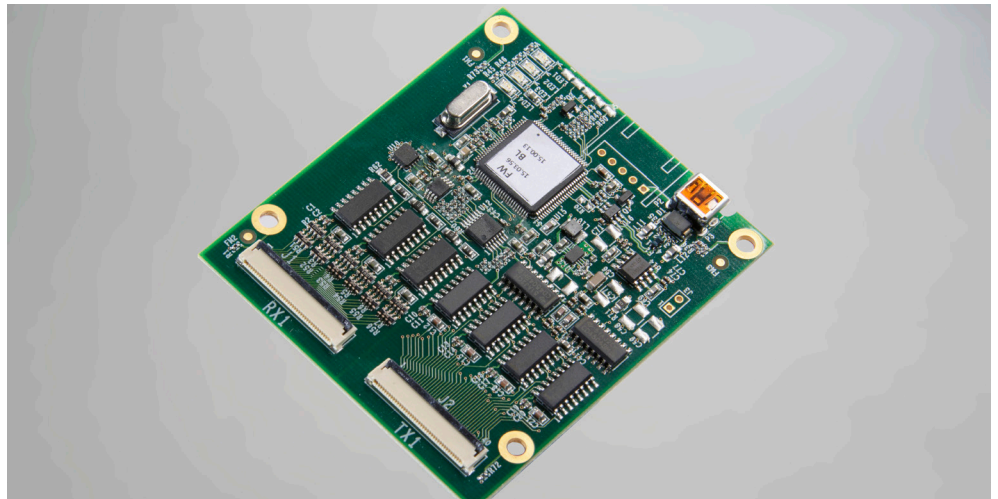
The unique sensing characteristics of PCT™ sensing elimantes the need for an operating force, providing users with the same levels of touch sensitivity experiences with the latest smartphones and tablet PC's but on a much larger scale, and in any environment or location.

APPLICATIONS

Zytronic's Multi-Touch PCT™ products meet the latest requirements for multi touch and multi user interactivity, while still maintaining the ultra high levels of durability Zytronic's products our known for.

The controller has been designed to function seamlessly with the latest operating systems supporting multitouch and application software packages such as NUI TEQ's Snowflake, Omnivision's Omnitapps and Touch Tech's LIMA.

They are the perfect choice for signage, leisure and surface applications.



CONTROLLER

- Controller powered from USB UBUS (5v) no external power required
- Current consumption <150mA
- Supports sensor sizes from 7" - 22"
- X - Y co-ordinate update rate ~1mS at controller, ~8mS to 12mS at host due to USB coms
- Accuracy <1mm
- Maximum recommended glass thickness 8mm
- Controller recognised as HID device in Linux 3.5.1+ kernels (10 touch points)
- Configuration tool software (ZyConfig®) is available to download from the Zytronic website to enable controller sensitivity settings to be adjusted in Windows and Linux operating systems

APPROVALS

RoHS Compliant

CE, FCC (Class B) & UL approved

www.zytronic.co.uk/support/quality-assurance

DRAWINGS

USB only

