



# ZYTRONIC DATA SHEET

## ZXY110™

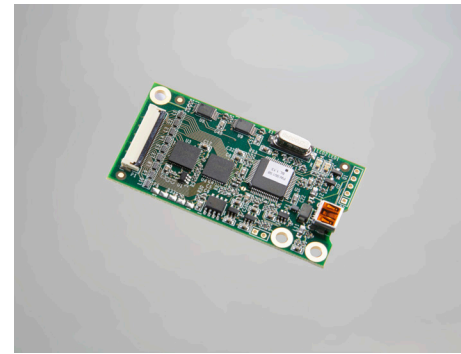
The ZXY110™ controller is our innovative single/dual touch controller featuring improved "noise" immunity and designed for use with our award winning Projective Capacitive Technology (PCT™)

### ADVANTAGES

- Backward compatible with existing Zytronic PCT™ touch sensors designed for ZXY100 32 and 64 channel controllers
- Improved Electromagnetic Compatibility (EMC) from proprietary "frequency hopping" technology
- Single touch, and with appropriate operating system, dual touch performance
- Compact footprint (space saving)
- ARM 32-bit Cortex microprocessor enables rapid touch detection (<5mS)
- Firmware can be updated easily and remotely, via USB
- Detachable and completely independent of the touch sensor
- Native driver support for Windows 7, 8 and 10, as well as Linux
- Other operating systems supported
- Output protocol available on request

### ZXY110™ - U-OFF-32

USB version suitable for sensors from 5"-18"

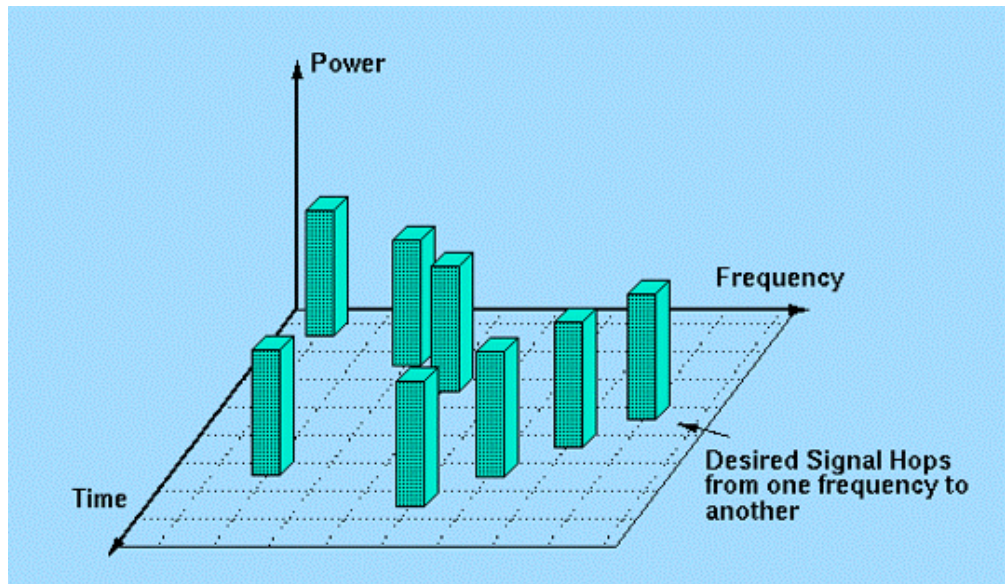


### ZXY110™ - U-OFF-64

USB version suitable for sensors from 19" - 47"



### FREQUENCY HOPPING



## CONTROLLER

Maximum simultaneous touches	2 (if supported by operating system)
Recommended Glass thickness operation	0.7mm to 10mm
Accuracy	<1mm (based on 15" 32 wire sensor)
X - Y co-ordinate update rate / Touch sensor scan rate (based on 32 input)	2.4mS (410FPS) on untouched sensor, 1.3ms (770FPS) on touched sensor
Operational frequency	0.7MHz to 2.2MHz
On board voltage	3.3V and 4.7V
Input voltage USB	5V
Current consumption on USB 5V supply (5V DC ±5%)	70mA (32 wire sensor), 80mA (64 wire sensor)
Power consumption	0.35 to 0.4 Watts
Supported sensor size	5" to 47"
Maximum number of sensing electrodes	64
Support	Controller recognised as HID touchscreen device in Windows 7, 8 and 10; and modern Linux operating systems  Can be configured as a HID mouse device to work with Windows XP  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  Controller output protocol available on request

## APPROVALS

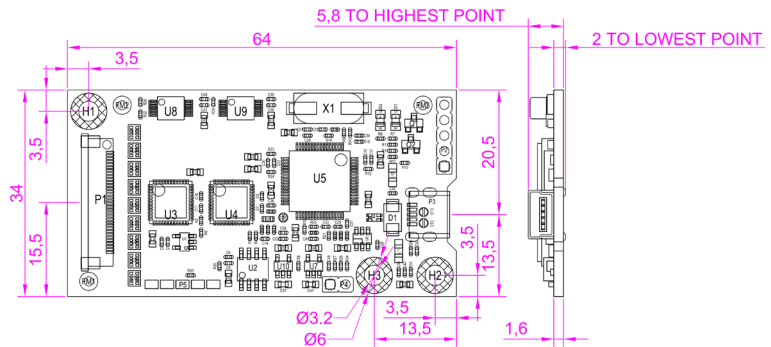
RoHS Compliant  
CE, FCC (Class B) & UL approved

[www.zytronic.co.uk](http://www.zytronic.co.uk)

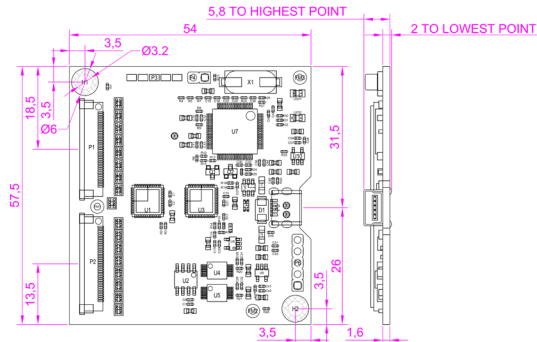
## DRAWINGS

### USB

Front View: ZXY110 - U-OFF-32



Front View: ZXY110 - U-OFF-64



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