



# ZYTRONIC DATA SHEET

## ZXY110™

The ZXY110™ controller is Zytronic's innovative improved "noise immunity" touch sensor controller suitable 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) resulting from patent pending "frequency hopping" technology
- Single touch, and when running the appropriate operating system, dual-touch performance
- Small footprint space saving designs
- ARM 32-bit Cortex microprocessor enables rapid touch detection (<5ms output)
- Firmware can be updated easily and remotely via USB
- Detachable and completely independent of touch sensor, aiding servicing
- Native driver support for Windows 7, 8, 10 and Linux 3.5.1+ kernels
- ZyConfig® software utility downloadable from [www.zytronic.co.uk/support/product-info/touchdrivers](http://www.zytronic.co.uk/support/product-info/touchdrivers)
- Output protocol is available

### ZXY110® - U-OFF-32

USB version suitable for sensors from 5"-18"

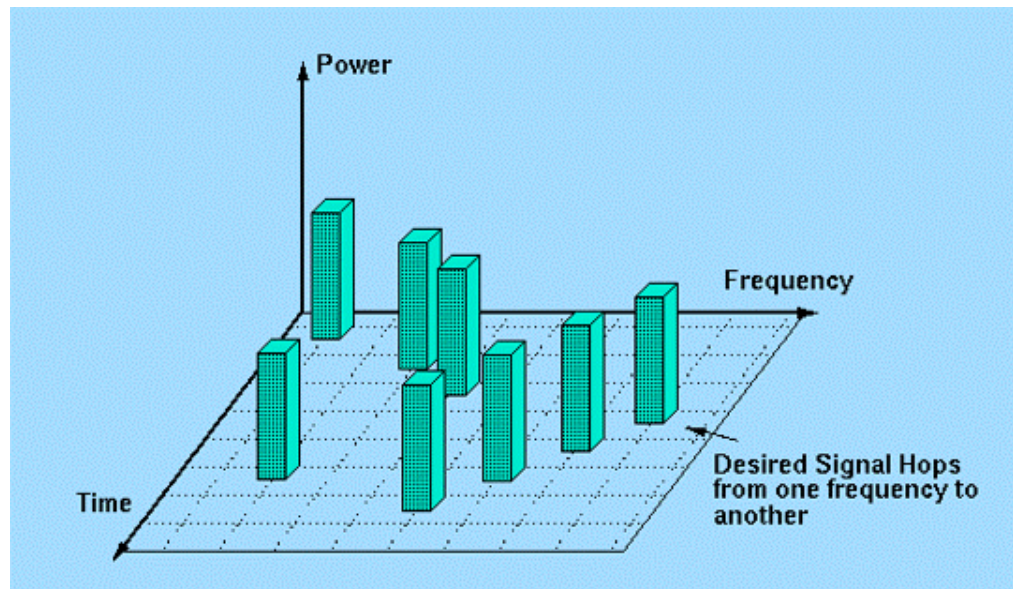


### ZXY100® - U-OFF-64

USB version suitable for sensors from 19" - 47"



### FREQUENCY HOPPING



## CONTROLLER

Maximum simultaneous touches	2
Recommended Glass thickness operation	0.7mm to 8.0mm
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 wires	64
Support	Controller recognised as HID touchscreen device in Windows 7, 8 and 10; and in 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

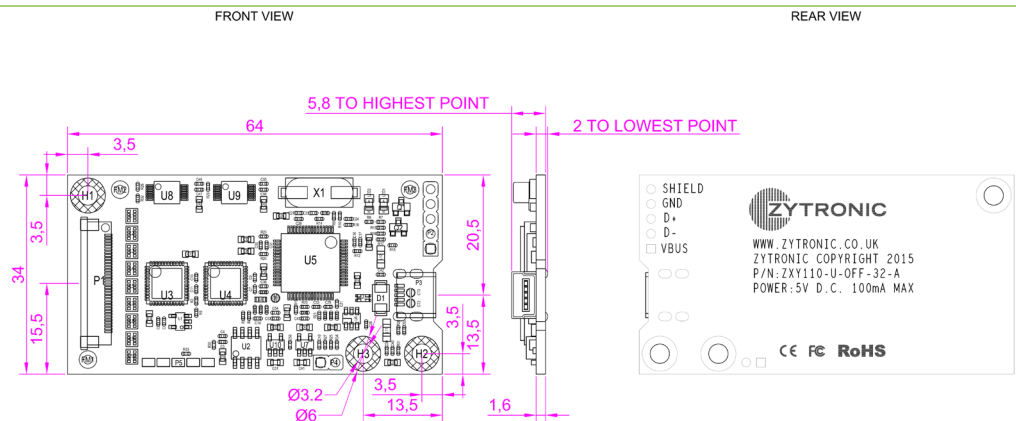
CE, FCC (Class B) & UL approved

[www.zytronic.co.uk/support/quality-assurance](http://www.zytronic.co.uk/support/quality-assurance)

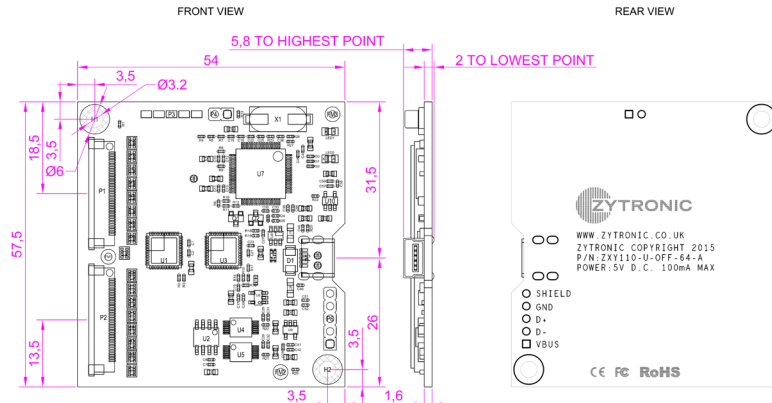
## DRAWINGS

USB

ZXY110 -U-OFF-32



ZXY110 -U-OFF-64



Company No: 379908, Registered in England, VAT No: GB 746 4858 88

Whiteley Road  
Blaydon on Tyne  
Tyne & Wear  
NE21 5NJ  
United Kingdom

T: +44 (0) 191 414 5511  
F: +44 (0) 191 414 0545  
E: [info@zytronic.co.uk](mailto:info@zytronic.co.uk)

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