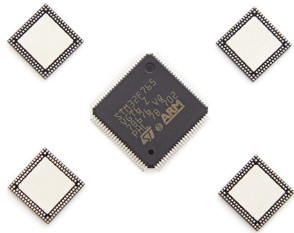


## ZXY500™

### FEATURES

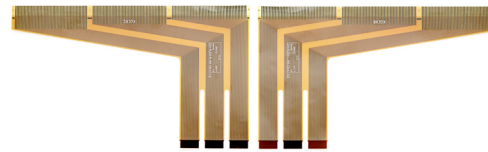
- All-new proprietary ASIC design



ZXY500-U-OFF-256-A CHIPSET  
ARM Processor and 4 Zytronic ASIC's

### THE ADVANTAGES?

100% Zytronic control (no reliance on 3rd party ASICs)



ZYY500-U-OFF-256-A FLEXI TAIL  
120mm in length

### THE BENEFITS?

Fast internal technical support for custom firmware requirements

Chipset solution available

Smaller touch controller boards

Fewer components vs earlier gen controllers

Better control over your system life cycle

Ability to detect up to 80 touch points simultaneously

Optimised to our mutual capacitive touch detection technology and firmware

Increased speed, approx. 1ms at controller output. 2.5x faster frame rates

### WHAT DOES THAT MEAN?

No 'pleading' with 3rd party controller/chip suppliers for help. The "buck stops" with Zytronic

Further internal system space and cost reduction options

More compact system designs and integration possible

Controllers are more cost effective than before

We own all the design and key components, so no nasty EOL 'surprises' for you

Enabling true multi-user support and improved palm rejection functionality

There's no compromise on touch performance

Reducing touch latency by ~1/3, and improving your system users experience

- ASIC raises on-board voltage: TX up from 12V to 40V

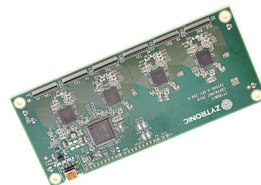
Improved Signal to Noise Ratio  
3x better SNR



ZXY500-U-OFF-64-A



ZXY500-U-OFF-128-A



ZXY500-U-OFF-256-A

Reduced gap between display and rear of sensor e.g. down to 1.0mm on a 32" display in some cases

Capable of detecting the touch of gloved hands

Ability to reduce border widths e.g. down to <10mm on a 55" sensor

Can detect touch through >8mm overlaying glass thickness

Touch detection unaffected by rain, salt water, oil, ice, ect

Reduced image parallax and slimmer touchscreen designs

Ideal for outdoor, industrial and medical applications

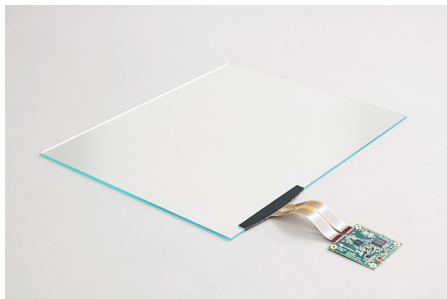
Increased touchscreen design flexibility matching the latest narrow border LCDs

Rugged, highly impact resistant and suitable for unattended applications

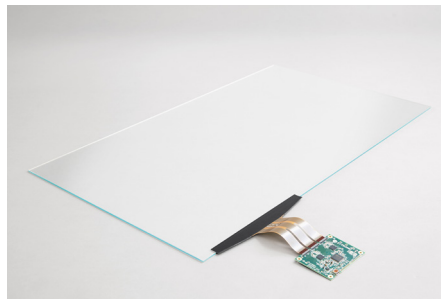
The perfect choice for outdoor and heavy duty applications

### ZXY500™

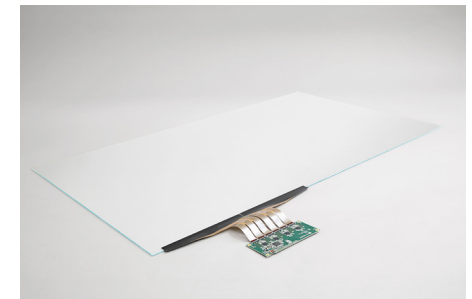
FEATURES	THE ADVANTAGES?	THE BENEFITS?	WHAT DOES THAT MEAN?
<ul style="list-style-type: none"> <li>5V powered via the USB VBUS, with onboard "charge pump" up to 40V for TX electrodes</li> </ul>	Eliminates need for separate power supply	<ul style="list-style-type: none"> <li>Less cables</li> <li>No separate power supply</li> </ul>	<ul style="list-style-type: none"> <li>Easier integration for you</li> <li>Reduces your overall system cost</li> </ul>
<ul style="list-style-type: none"> <li>Various built in outputs: USB, RS232, I2C, SPI</li> </ul>	Multiple onboard communication outputs	Select best data communication based on application/need	Complete flexibility of support
<ul style="list-style-type: none"> <li>New narrower flex tails: reduced track pitch down to 0.3mm</li> </ul>	Smaller form/factor boards	<ul style="list-style-type: none"> <li>Less 'real estate' needed</li> <li>Smaller, shorter flex tails</li> </ul>	<ul style="list-style-type: none"> <li>Saves you system space so your designs can be more compact</li> <li>Designed to ease your integration and reduce the touch sensor cost</li> </ul>
<ul style="list-style-type: none"> <li>ZyConfig™ software utility supports wide range of OS's</li> </ul>	Support for Win7-10, WES7-8.1, Android, and Linux	Tool enables quick set up of controller and optimisation of controller settings for the intended application	Easing the integration of the controller into your intended application system
<ul style="list-style-type: none"> <li>Windows HID Compliant</li> </ul>	Plug and play installation with Windows	Supported Windows OS's will recognize controller without the need for a 3rd party driver	Quick and easy to install in Windows systems



ZYBM Sensor and ZXY500-U-OFF-64-A



ZYBM Sensor and ZXY500-U-OFF-128-A



ZYBM Sensor and ZXY500-U-OFF-256-A