

Slate PC proof of concept

The future of netbooks



The Slate PC is a proof of concept made to demonstrate Stantum's digital resistive multi-touch technology capabilities applied to the MID and tablet PC form factor.

It is a modified Dell Mini Inspiron 1010 with a touch module enabling 10 simultaneous touches with your fingers, nails, stylus and finger-pressure detection. The Multi-touch technology is powered by Stantum's PMatrix™ IP core and firmware.

Since the Slate PC is a handmade proof of concept, it is available in limited quantities and will not be mass-produced.

BENEFITS :

- Get your hands on the best of multi-touch
- Designed in France by Stantum Labs division

FEATURES :

- 10 simultaneous touches
- Finger and stylus input
- Finger-pressure detection
- Native Windows 7 support, with no driver required
- Empowered Windows 7 interface usability thanks to passive stylus input and high precision detection

EVALUATE STANTUM'S TECHNOLOGY :

- Low-power consumption
- Low solution cost
- Great scalability (technology implemented from 2" up to 15.4")

GENERAL	
Hardware revision	rev3
Supported OS/platforms	Windows 7 Home Premium English OEM (license provided)
Maximum number of fingers or pointers	10
Touch-panel scanning rate	100Hz
Jitter	None
Levels of finger-pressure	256 levels, 3 distinct ranges (low, medium, hard)
Warranty	No warranty provided. The Slate PC is a hand-made proof of concept. It is not a retail product with the associated warranty, quality control and after-sales service.
Power supply	Input 100-240V – 0.8A 50-60Hz (EU plug) Output 19V 1.58A
Hardware package content	Slate PC featuring PMatrix™ (Stantum's patented Multi-Touch detection IP core & firmware), and a state of the art digital resistive touch panel Power supply (EU plug)
Software package content	Demo example
Package size	370x240x95mm
TOUCH PANEL	
Material	PET/Glass
Touch area size	10.1"
Touch area dimensions (active surface)	222.72 x 125.28 mm
Aspect ratio	16:9
Minimum activation force	14g
Number of rows	63
Number of columns	112
Pitch	2mm
Precision (Pointing accuracy)	1mm
PLATFORM	
Name	Dell Inspiron Mini 10
Reference	Inspiron 1010
Size	260.5 x 181.5 x 29.8 mm
Weight	1,035kg
Features	Intel Atom Z530 (1.6GHz,533MHz,1G RAM) 1Gb RAM 10.1" TFT screen 160Gb hard drive Intel GMA 500 graphics Same battery life as the original Mini 1010
Hardware specifications	WiFi and bluetooth 2x USB HDMI out Microphone-in Headphones-out Ethernet 10/100 SD/MMC card reader
Modifications from original platform	Added digital resistive multi-touch panel and controller Keyboard and trackpad removed Webcam removed 2 USB ports (instead of 3)

LCD display	
Screen size	222.72 x 125.28 mm*
Brightness	200 cd/m ² *
Contrast	500:1*
Pixel pitch	0.2175 mm*
Response time	8 ms*
Resolution	1024x600 or 1024x576*
Aspect ratio	16:9*
Color depth	262K colors (RGB 6-bit)*
Scanning rate	50 or 60Hz*