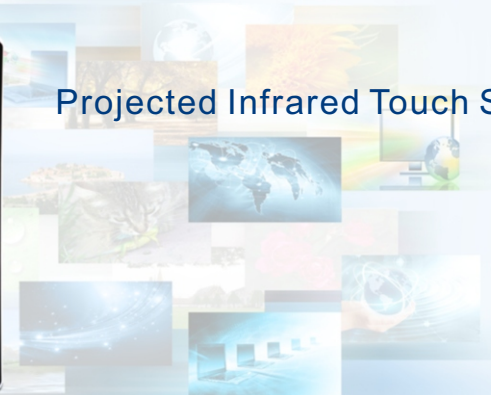




Projected Infrared Touch Specifications



GeneralTouch's patented Projected Infrared Touch (PIT) is a new cutting-edge multi-touch technology. Even though it is optical based, GeneralTouch has managed to keep the bezel so tiny that it is considered an edge-bezel with a near true-flat pure glass surface.

Demonstrating superb sturdiness, exhibiting superior sealing and featuring up to ten-point multi-touches, a PIT touch-screen delivers excellent touch experience to users.

GeneralTouch delivers 2 kinds PIT touchscreens for different application purposes: Common Version and Enhanced Version. Enhanced Version PIT has attained Win 8 certification and typically for consumer applications. Common Version PIT hasn't applied for Win 8 certification yet, but its touch performance is nearly as same as enhanced version, typically for vertical market.

Features:

- Ultra-slim bezel, minimum 2.0×4.0mm (H×W)
- Excellent multi-touch performance
- Unlimited touch stylus types
- No touch pressure required
- High transparency and image quality
- Anti-vandal capability
- Perfect EMC
- High availability

Applications:

- All-in-One PC
- Interactive digital signage
- Display monitor
- Self-service terminals

PHYSICAL PARAMETER

Size	21.5"
Material	Pure glass
Glass Thickness	3mm
Light Transmission	90%
Surface Hardness	Mohs' hardness rating of 7

ELECTRICAL PARAMETER

Supply Voltage and Current	+5VDC, normal (+4.75V to +5.25VDC). Less than 400mA, typical at +5VDC, Average Power consumption is less than 2W. Supply must be capable of sourcing 450mA, minimum. Total noise and ripple requirement must be less than 150mV (p-p) for frequencies below 1MHz, and less than 50mV (p-p) for frequencies above 1MHz.
Number of touch points	2, 5, 10
Interface	USB2.0 (full speed)
Resolution	32767×32767
Conversion time	Less than or equal to 15ms per coordinate set
Minimum Stylus Size	Φ6mm
EMI	Has the ability to comply with EN55022

ENVIRONMENT

Temperature	Operating: 0°C~+60°C Storage: -10°C~+70°C
Humidity	90% RH at 40°C, noncondensing
ESD	Per EN 61000-4-2: Contact discharge 4KV, air discharge 8KV
Flammability	The printed circuit board substrate is rated with 94V0

DURABILITY

Endurance	Scrath-free; More than 50,000,000 touches in one location without failure
ROHS Declaration	The touch system including touchscreen, controller and cable is ROHS compliant

CONTROLLER & SYSTEM

Controller	PT2042UR-M10-C
Other OS support	Win 7, Win 8, Linux, Android

Go to www.generaltouch.com for more products and information, or contact us

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