



# HS ITALIA

## SISTEMI EMBEDDED SU MISURA



# AbonTouch

Abon Touchsystems Inc.



## SCHERMI E TOUCH INDUSTRIALI PROJECTED CAPACITIVE



**I NOSTRI CONTATTI**

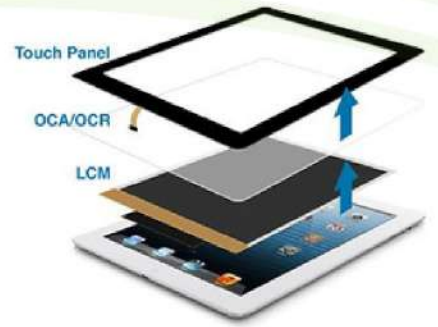


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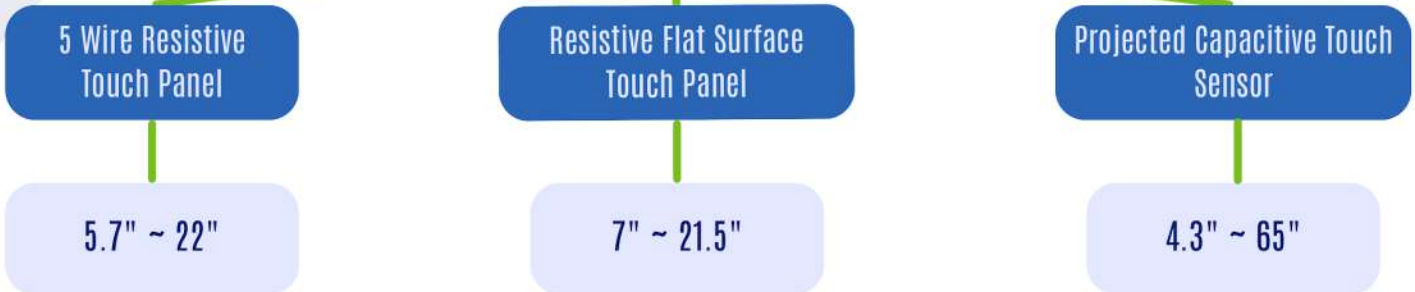


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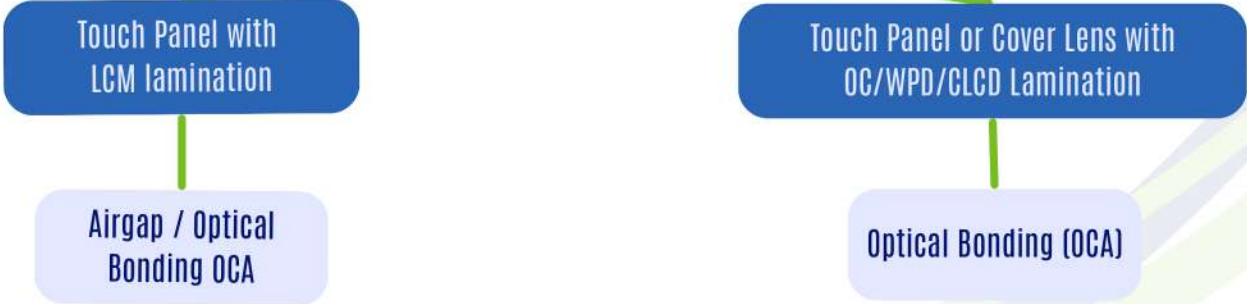
- ✓ **CONTROLLO QUALITÀ EFFICIENTE**
- ✓ **DESIGN E PROCESSO MIGLIORATI**
- ✓ **LUNGO CICLO DI VITA**
- ✓ **SERVIZIO RAPIDO E PUNTUALE**
- ✓ **CONSEGNA RAPIDA**
- ✓ **CERTIFICAZIONI FCC / CE / UL**



## TOUCH PANEL MODULE

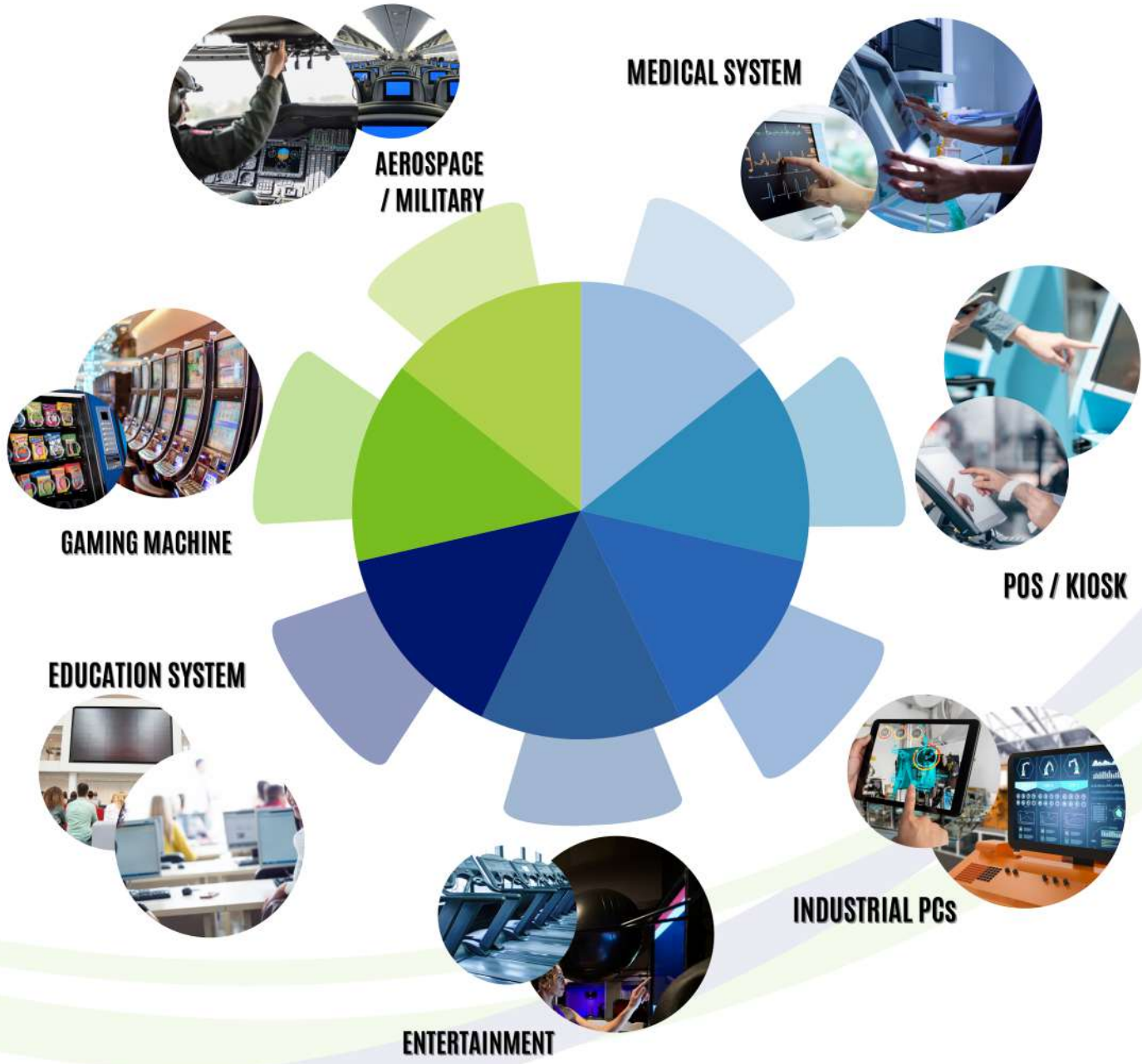


## TOUCH DISPLAY MODULE





# TOUCH PANEL DEVELOPMENT MILESTONE



## CRESCITA DEL SETTORE

**AbonTouch**  
Abon Touchsystems Inc.



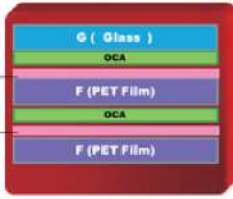
# TOUCH PANEL PROJECTED CAPACITIVE



## Naming rule in Touch Panel

**G F F**

Material of sensor layer  
 F : Film (PET)  
 F : Film (PET)  
 Material of overlay(cover lens)  
 G : Glass material  
 ITO  
 (Indium Tin Oxide)



## CARATTERISTICHE

- Struttura Vetro/Pellicola/Pellicola
- High Transmittance  $\geq 80\%$
- 7H Surface Hardness
- Performance eccellenti per la sensibilità del touchscreen
- Design sottile e leggero
- Frontale True Flat (no bezel)
- Design con diverso spessore del vetro di copertura (Std 1.1t/1.8t/2.8t) (Custom Gorilla type)
- Vari trattamenti del vetro di copertura (AG/AR/AS/AF/Bacterial)
- Soluzione Multi-tocco

## MECHANICAL

<b>CONSTRUCTION</b>	Top Layer: Polyester Film 2nd layer: ITO Conductive Film 3rd layer: ITO Conductive Film Standard Thinkness: 1.1/1.8/2.8mm Custom Cover Glass Thickness: 4/6mm
<b>CONNECTION TAIL</b>	FPC (Only), Chip on Flex COF, Control BoardCOB
<b>INPUT METHOD</b>	Multi-finger
<b>ACTIVATION FORCE</b>	$\leq 50g$ (stylus = R0.8)
<b>AVAILABLE</b>	7"-86" (OEM & ODM custom design available) $>600g$ by $90^\circ$ , speed 25mm/min

## ELECTRICAL

<b>OPERATION VOLTAGE</b>	3.5V to 5.5V (DC)
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## OPTICAL

<b>TRANSMITTANCE</b>	$\geq 85 \pm 5\%$ , light transmission at 550nm
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## ENVIRONMENT

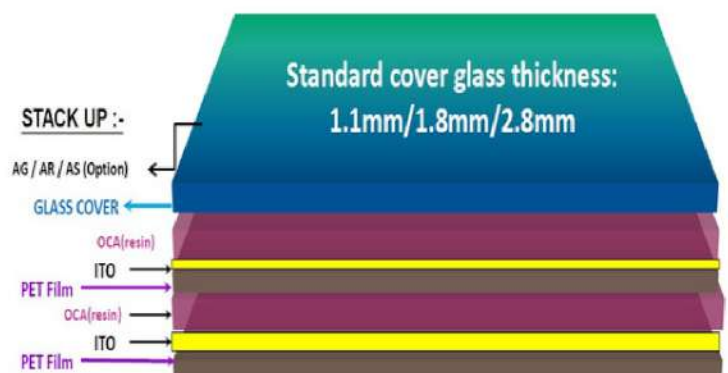
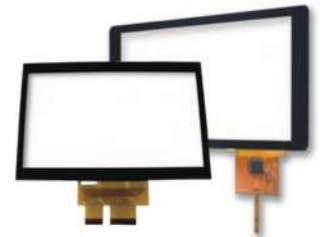
<b>OPERATION TEMPERATURE</b>	$-30^\circ\text{C} \sim +70^\circ\text{C}$ , 20%~90% RH at max $50^\circ\text{C}$
<b>STORAGE TEMPERATURE</b>	$-40^\circ\text{C} \sim +80^\circ\text{C}$ , 20%~90% RH at max $50^\circ\text{C}$
<b>CONSTANT TEMPERATURE / HUMIDITY</b>	$60^\circ\text{C}/90\text{RH}$ , 240hrs, allows panel stays in room temperature for 12 hours.
<b>THERMAL CYCLE</b>	$-40^\circ\text{C} \sim +80^\circ\text{C}$ [60min/cycle] 50cycle allows panel stays in room temperature for 12 hours
<b>HIGH TEMPERATURE</b>	$80^\circ\text{C}/240\text{hrs}$ allows panel stays in room temperature for 12hours
<b>LOW TEMPERATURE</b>	$-40^\circ\text{C}/240\text{hrs}$ allows panel stays in room temperature for 12 hours
<b>AGENCY APPROVALS</b>	CE/FCC/RoHS/UL

## DURABILITY

<b>SURFACE HARDNESS</b>	$\geq 7H$ (JIS K-5400)
<b>WARRANTY PERIOD</b>	1 year warranty

## APPLICAZIONI

- POS / KIOSK / ATM
- PC e Monitor Industriali
- Settore Medicale
- Settore Intrattenimento
- Settore dei trasporti
- Applicazioni militari
- Settore automotive
- Window Display Interactive Device
- Sistemi di votazione e poll
- Distributori automatici





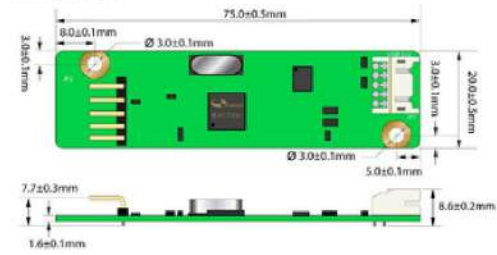
# PCAP PRODUCT DIMENSIONS



Note : ○ Custom / ● STD

Size	O.D (mm)	V.A (mm)	Tail Type	Point		Cover glass thickness (mm)					
				10	30	0.7	1.1	1.8	2.8	4	6
86"	1967*1195	1897*1067	COB	●	○				●	○	○
75"	1705*1017	1652*930	COB	●	○				●	○	○
65"	1494*886	1430*804	COB	●	○				●	○	○
55"	1253*754	1211*682	COB	●	○				●	○	○
43"	996*611	942*531	COB	●	○		○		●	○	○
42"	985*625	931*524	COB	●	○		○	○	●	○	○
32"	754*488	701*395	COB	●	○		○	○	●	○	○
27"	636.77*397.66	599*337.5	COB	●	○		○	●	○	○	○
24"	572.8*366	534.5*302	COB	●	○		○	●	○	○	○
23.8"	589.64*359.06	528.04*297.5	COB	●	○		○	●	○	○	○
21.5"	533.4*324.86	477.64*269.11	COB	●	○		○	●	○	○	○
18.5"	482 * 303	411.6 * 232.2	COB	●	○		○	●	○	○	○
19"	435.32*360.06	377.32*302.06	COB	●	○		○	●	○	○	○
17"	387.92*320.34	338.92*271.34	COF	●	○		○	●	○	○	○
15"	354.1*277.1	305.1*229.1	COF	●	○		○	●	○	○	○
15.6"	383*238	346*195	COF	●	○		○	●	○	○	○
12.1"	290*220.5	247*185.5	COF	●	○		○	●	○	○	○
10.4	255.10*211.5	212.2*159.4	COF	●	○		○	●	○	○	○
10.1	254.96*172.6	217.96*136.6	COF	●	○	○	○	○	○	○	○
7"	185.4*121.4	154.6*91	COF	●	○	○	○	○	○	○	○

Controller:



OS	VERSION	INTERFACE
WINDOWS	Windows 10 IoT	USB/RS232 *12C
	Windows 8	
	Windows 10	
	Windows 7	
	Windows Vista	
	Windows 2000	
	Windows XP	
	Win Embedded	
WIN CE	Win Embedded Compact 7	USB / RS232
	WinCE 6	
	WinCE.Net	
	CentOS	
ANDROID	Android 2.3 to 7	USB / 12C
MAC	OS 9 to 10.2	USB
QNX	RTOS V6.3 to V6.6	USB / 12C

I potenti controller a resistenza a 5 fili sono collegati ai sistemi PC tramite USB o RS232.

Dopo l'installazione del driver, il touch panel può simulare il mouse ed è adatto ai dispositivi di input dell'interfaccia uomo-macchina.

OS	VERSION	INTERFACE
LINUX	Debian	USB/RS232 *12C
	Fedora	
	Gentoo	
	Mandrake (Mandriva)	
	Meego	
	Red Hat	
	Slackware	
	SuSE (OpenSuSE)	
	Ubuntu (Xubuntu) and Yellow Dog. etc.	
	Support most 32/64 bit Linux distribution versions, including Kernel 2.4x/2.6x/3.x.x/4.x.x	



**INDUSTRIAL TOUCH PANELS**  
**INDUSTRIAL MOTHERBOARDS**  
**INDUSTRIAL MEMORY MODULES**  
**INDUSTRIAL SSD MODULES**  
**UPS CAPACITORS**

**ASRock**  
— Industrial —

**Apacer**<sup>®</sup>

**AbonTouch**  
Abon Touchsystems Inc.



**J. Schneider**  
**Elektrotechnik**



**ANALISI E PROGETTAZIONE**



**SOLUZIONI RAPIDE E EFFICIENTI**



**SUPPORTO TECNICO**



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