



# HS ITALIA

## SISTEMI EMBEDDED SU MISURA



# AbonTouch

Abon Touchsystems Inc.



## SCHEMI E TOUCH INDUSTRIALI RESISTIVO ZERO BEZEL



**I NOSTRI CONTATTI**

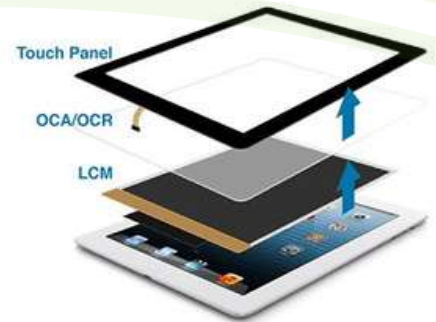


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[www.hs-italia.it](http://www.hs-italia.it)

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



## TOUCH PANEL MODULE

5 Wire Resistive Touch Panel

5.7" ~ 22"

Resistive Flat Surface Touch Panel

7" ~ 21.5"

Projected Capacitive Touch Sensor

4.3" ~ 65"

## TOUCH DISPLAY MODULE

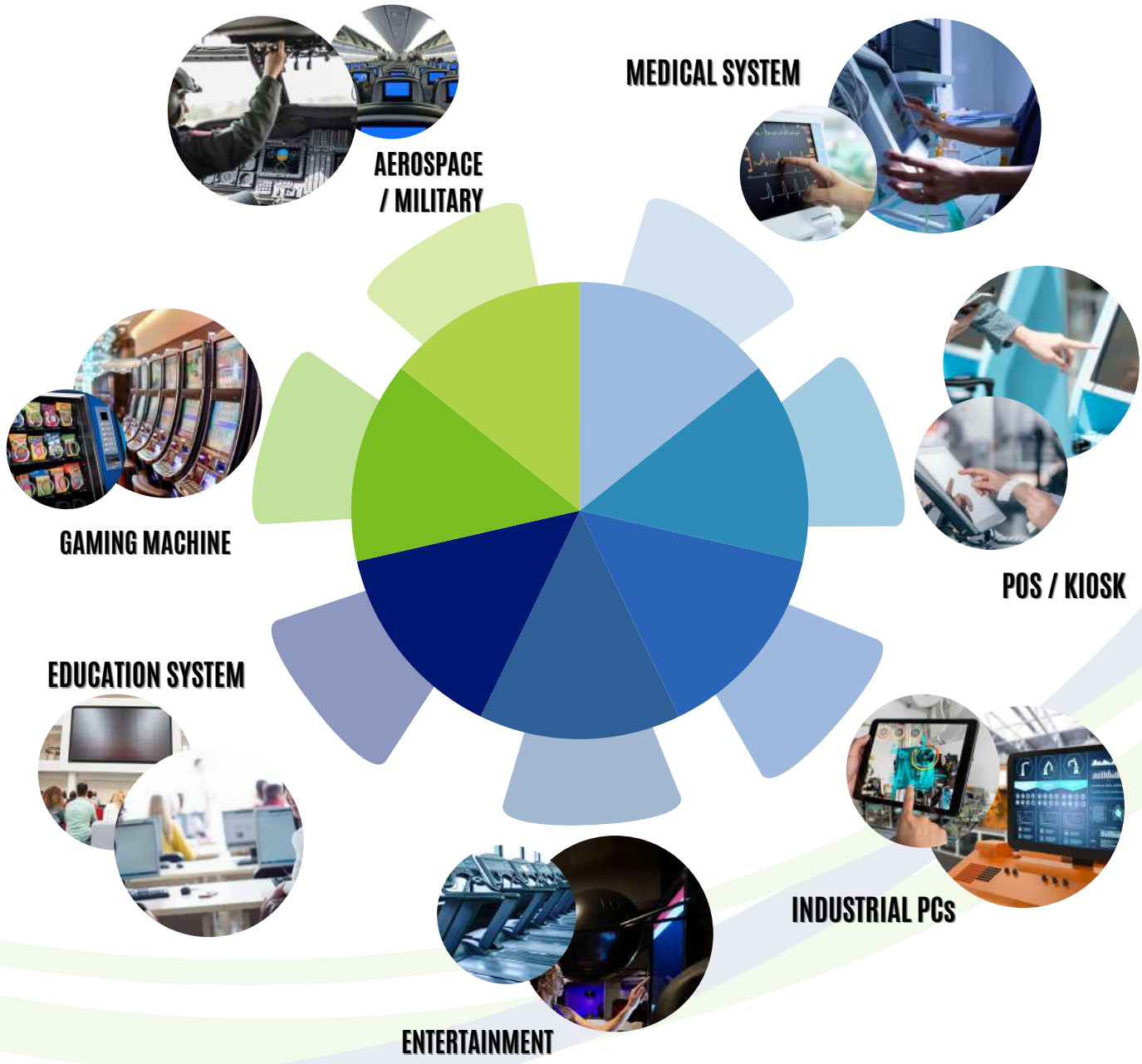
Touch Panel with LCM lamination

Airgap / Optical Bonding OCA

Touch Panel or Cover Lens with OC/WPD/CLCD Lamination

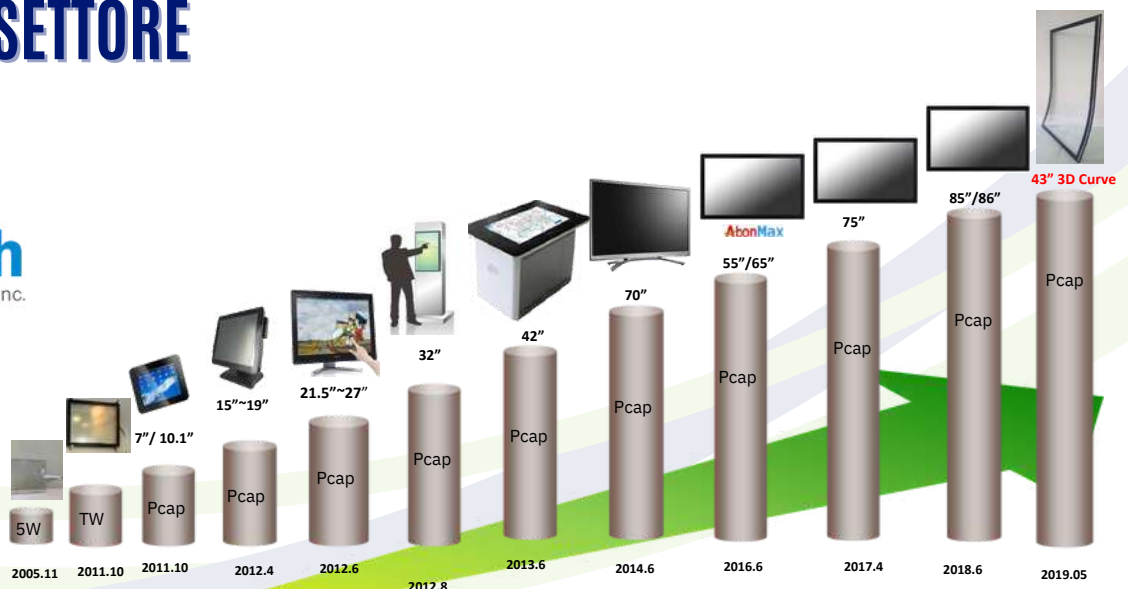
Optical Bonding (OCA)

# TOUCH PANEL DEVELOPMENT MILESTONE



## CRESCITA DEL SETTORE

**AbonTouch**  
Abon Touchsystems Inc.



# TOUCH PANEL RESISTIVO ZERO BEZEL



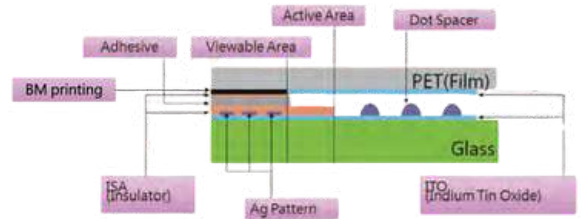
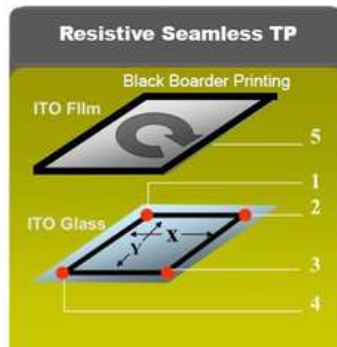
## CARATTERISTICHE

- Struttura con Pellicola ITO/Vetro ITO (due strati)
- Superficie piatta con design con cornice nera
- Processo di laminazione a caldo del telaio
- Processo di lavorazione del vetro ad alte temperature
- Cavo di connessione FPC
- Più modalità di input touch (dito, penna...)
- Lungo Ciclo di vita (10-35mil tocchi)
- Alta resistenza a inquinamento



## APPLICAZIONI

- POS
- KIOSK / ATM
- PC e Monitor Industriali
- Settore Medicale
- Settore Automotive
- Dispositivi palmari
- Settore dei trasporti
- Applicazioni militari
- Sistemi di votazione e poll



Size	Glass Thickness	F.A.	V.A.
10.1"	1.1T	254.96*172.6	217.96*136.6
10.4"	1.8T	255.1*211.5	212.2*159.4
12.1"	1.8T	290.0*220.5	246.0*184.5
15"	1.8T	354.1*277.1	307.1*231.1
17"	1.8T	387.92*320.34	338.92*271.34
19"	1.8T	435.32*360.06	377.32*302.06
21.5"	2.8T	533.4*324.86	477.64*269.11

Supporta Touch Panel	5-Wire Resistive/5-Wire Resistive Touch Window
Connessione	USB/RS232
Risoluzione	4096 x 4096
Tempi di risposta	Max. 20ms
Alimentazione	+5VDC

MECHANICAL	
<b>CONSTRUCTION</b>	Top Layer: Polyester Film Middle Layer: Near-invisible spacer dots Bottom Layer: Glass substrate with uniform conductive coating
<b>CONNECTION TAIL</b>	FFC (FPC Optional), crimpflex connector
<b>INPUT METHOD</b>	Finger, gloved hand, or stylus activation
<b>ACTIVATION FORCE</b>	≤50g (stylus = R0.8)
<b>AVAILABLE</b>	7"~21.5" (OEM & ODM custom design available)
OPTICAL	
<b>TRANSMITTANCE</b>	≥ 80 ± 5%, light transmission at 550nm
<b>HAZE</b>	Anti-glare: 9.5 ± 2%
DURABILITY	
<b>SURFACE HARDNESS</b>	≥ 3H (J S K-5400)
<b>LIFE TIME</b>	Operationally tested up to 10 million touches
<b>WARRANTY PERIOD</b>	1 year warranty (Under normal Operation)

ELECTRICAL	
<b>OPERATION VOLTAGE</b>	3.3V to 5V (DC)
<b>LOOP RESISTANCE</b>	20~500Ω
<b>CAPACITANCE</b>	≤50nF
<b>LINEARITY</b>	Standard deviation error ≤1.5%
<b>INSULATION</b>	≥20MΩ/25V (DC)
ENVIRONMENT	
<b>OPERATION TEMPERATURE</b>	-10°C ~ +60°C, 90% RH at max 50°C
<b>STORAGE TEMPERATURE</b>	-20°C ~ +70°C, 90% RH at max 50°C
<b>CONSTANT TEMPERATURE / HUMIDITY</b>	50°C/90%RH, 240hrs
<b>THERMAL CYCLE</b>	-20°C ~ +70°C (60min/cycle)*(50cycle)
<b>HIGH TEMPERATURE</b>	70°C/240hrs
<b>LOW TEMPERATURE</b>	-20°C/240hrs
<b>AGENCY APPROVALS</b>	CE/FCC/RoHS/UL



**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**



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