



HS ITALIA

SISTEMI EMBEDDED SU MISURA



AbonTouch

Abon Touchsystems Inc.



SCHERMI E TOUCH INDUSTRIALI RESISTIVO 5 FILI



I NOSTRI CONTATTI

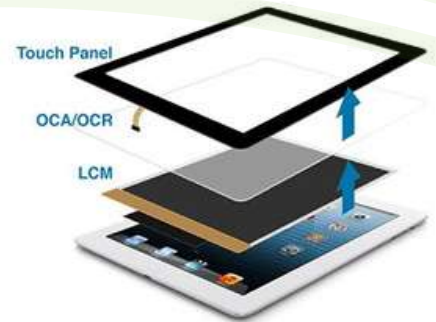


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www.hs-italia.it

- ✓ **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

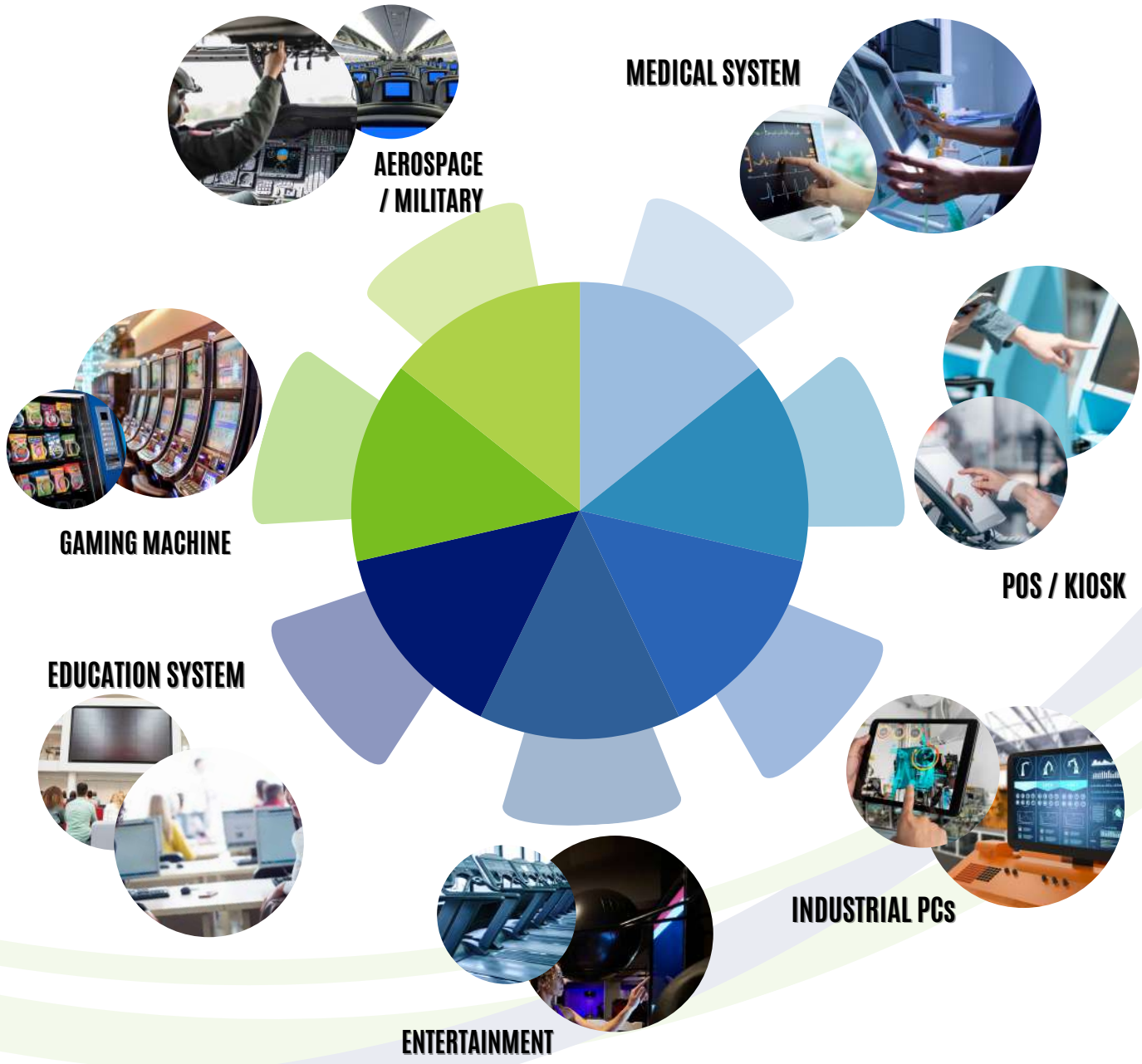
Touch Panel with LCM lamination

Airgap / Optical Bonding OCA

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

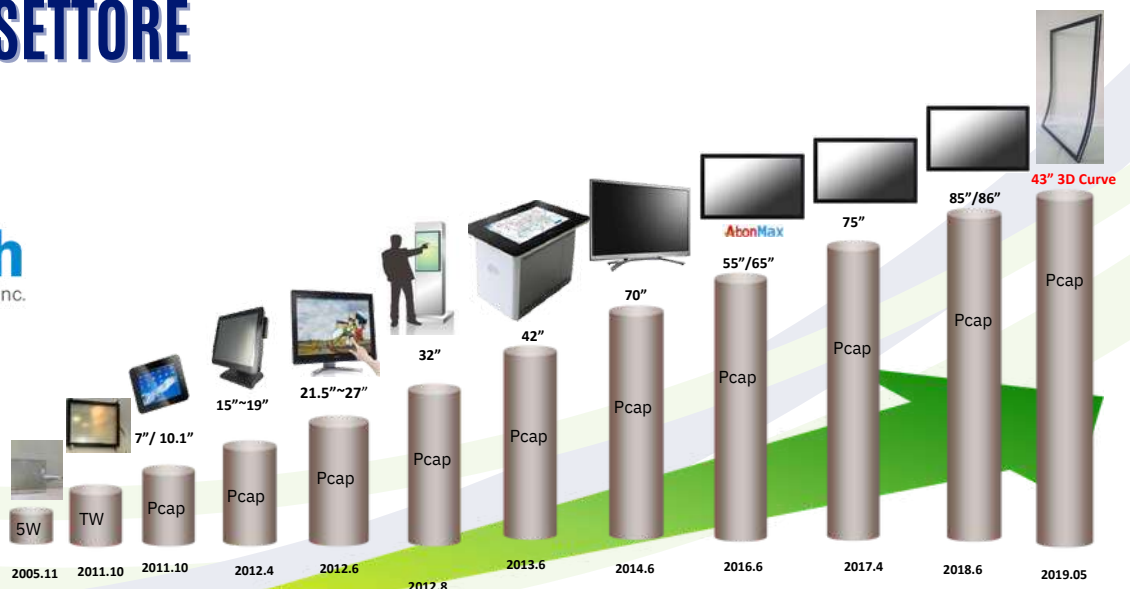
Optical Bonding (OCA)

TOUCH PANEL DEVELOPMENT MILESTONE



CRESCITA DEL SETTORE

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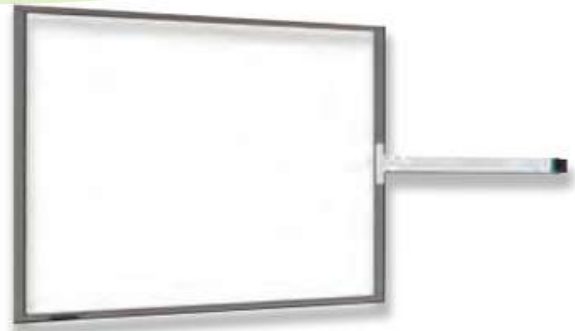


TOUCH PANEL RESISTIVO A 5 FILI



CARATTERISTICHE

- Struttura pellicola ITO Film/ Vetro ITO
- Lavorazione vetro ad alte temperature
- Processo di laminazione a caldo del telaio
- Trattamento di saldatura sul cavo di collegamento
- Posizionamento stabile senza traslature
- Linearità accurata e bassa potenza di ingresso
- Più modalità di input touch (dito, penna...)
- Lungo Ciclo di vita (10-35mil tocchi)
- Alta resistenza a inquinamento



MECHANICAL

CONSTRUCTION	Top Layer: Polyester Film Bottom Layer: Glass substrate with uniform conductive coating Thickness: 1.1mm, 1.8mm, 2.8mm
CONNECTION TAIL	FFC (FPC Optional), crimpflex connector
INPUT METHOD	Finger, gloved hand, or stylus activation
ACTIVATION FORCE	≤50g (stylus = R0.8)
AVAILABLE	6.5"-22" (OEM & ODM custom design available)

ENVIRONMENT

OPERATION TEMPERATURE	-10°C ~ +60°C, 90% RH at max 50°C
STORAGE TEMPERATURE	-20°C ~ +70°C, 90% RH at max 50°C
CONSTANT TEMPERATURE / HUMIDITY	50°C/90%RH, 240hrs
THERMAL CYCLE	-20°C ~ +70°C (60min/cycle)*(50cycle)
HIGH TEMPERATURE	70°C/240hrs
LOW TEMPERATURE	-20°C/240hrs
AGENCY APPROVALS	CE/FCC/RoHS/UL

OPTICAL

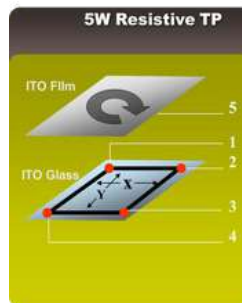
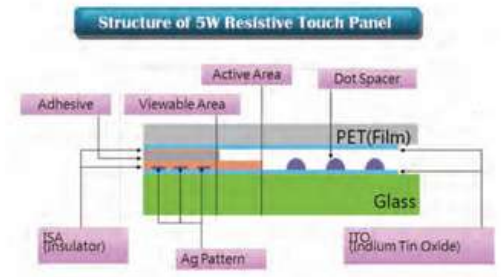
TRANSMITTANCE	≥ 80 ± 5%, light transmission at 550nm
HAZE	Anti-glare: 9.5 ± 2%

ELECTRICAL

OPERATION VOLTAGE	3.3V to 5V (DC)
LOOP RESISTANCE	20 ~ 500Ω
CAPACITANCE	≤30nF
LINEARITY	Standard deviation error ≤1.5%
INSULATION RESISTANCE	≥ 20MΩ/25V(DC)

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	FA	VA	AA
M Series				
7"	1.1T	155.00*120.25	143.40*108.0	141.60*106.20
9.7"	1.8T	212.28*167.28	201.20*152.06	196.61*147.46
10.1"	1.1T	235.00*143.00	226.32*128.28	223.72*126.28
10.4"	1.8T	248.92*186.69	219.70*167.63	215.90*163.83
12.1"	1.8T	263.80*201.80	249.60*188.30	246.80*185.50
15"	1.8T	326.20*253.20	307.70*231.60	304.63*228.60
15.6"	1.8T	363.80*215.90	347.30*196.60	344.20*193.50
17"	1.8T	360.00*290.50	342.80*275.30	337.00*269.50
17.1"	2.8T	365.40*290.18	342.80*275.20	340.00*272.40
18.5"	1.8T	429.37*253.60	413.19*233.80	409.79*230.40
19"	2.8T	397.10*321.60	379.40*304.60	374.90*299.90
E Series				
7"	1.1T	164.50*99.50	156.10*88.60	154.10*86.60
8.4"	1.8T	196.09*149.86	174.80*132.20	171.40*128.80
10.4"	1.1T	225.40*173.20	214.00*163.00	211.30*158.80
12.1"	1.8T	271.27*205.74	252.87*191.40	248.87*187.40
12.1"	1.8T	261.80*199.80	249.80*188.50	246.80*185.50
15"	1.8T	322.00*245.50	309.50*233.50	303.50*227.50
15"	2.8T	332.90*248.90	311.10*235.10	304.60*228.60
15.6"	1.8T	363.80*215.90	347.50*196.60	344.20*193.50
17"	1.8T	356.00*286.50	343.00*275.50	337.00*269.50
17.1"	2.8T	365.40*290.18	343.00*275.40	340.00*272.40
19"	2.8T	404.20*330.00	381.50*306.00	376.30*301.05
19"	2.8T	393.40*316.65	380.90*305.65	377.30*302.05
21.5"	2.8T	496.82*291.20	480.84*272.31	477.24*268.71
22"	2.8T	493.70*320.10	477.70*300.10	473.76*296.10

DURABILITY

SURFACE HARDNESS	≥ 3H (JIS K-5400)
LIFE TIME	Operationally tested up to 10 ~ 35 million touches
WARRANTY PERIOD	1 ~ 3 year warranty



INDUSTRIAL TOUCH PANELS
INDUSTRIAL MOTHERBOARDS
INDUSTRIAL MEMORY MODULES
INDUSTRIAL SSD MODULES
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