

CTOUCH

INTERACTIVE TOUCH SOLUTIONS



GET MORE FROM YOUR EDUCATION WITH INTERACTIVE TOUCH DISPLAYS!

The extensive range all in one CTOUCH displays is the successor to the “old school” digital whiteboard and the necessary peripherals. The all in one display uses the Optical Sensing technology. This technology allows a fast, accurate and user friendly performance; perfect for schools and classrooms! It is also possible for multiple persons to use the board at the same time. Multi Touch software processes the simultaneous touches. The new generation of blackboards stimulates cooperation in the classroom.

GET MORE FROM YOUR EDUCATION WITH INTERACTIVE TOUCH DISPLAYS!

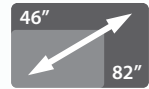
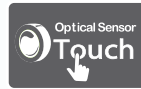
The CTOUCH displays are designed for intensive use. Whether the product is active for 2, 8 or 24 hours, the picture quality and interactive performance are always strong. It is always ready for the teacher. And whether it's elementary school, primary or secondary education, with a touch display you can turn an ordinary lesson into an interactive experience. Switch cleverly between educational programs, (school) TV and the internet so you maintain the attention of the student.

Because of the high resolution and high precision touch displays are great for both vector calculations and exercises in writing. Even with multiple people at once.

Ask also for the CTOUCH energy efficient LED display.



THE RIGHT TECHNOLOGY FOR YOUR CLASSROOM!



EASE AND SIMPLICITY!

The CTOUCH all in one in your classroom, for your convenience and efficiency. All CTOUCH products are Plug and Play. Every computer with an USB port can be connected easily. You are not dependent on software updates and licences.

Because the technology is integrated in the border of the screen, dust cannot hinder its performance. Using an optional mobile stand, you move from one classroom to another. A damaged wall or ceiling are history. Long story short; CTOUCH works - always and everywhere!



STANDARD:

- Innovative Optical Sensing technology
- 4 mm Anti-reflection safety glass
- Eco stand, Timer function, Power save modus
- Plug and play, analogue and digital
- Integrated amplifier and speakers
- Professional panel for 24/7 use
- LED version, 50% energysaving
- Complete range CTOUCH displays
- 3 years warranty



All products are CTOUCH Windows 7 compatible! Use multi-touch capabilities right away.



CTOUCH

46inch LCD



55 inch LCD



Panel

Diagonal Size	46"/116.8 cm	55"/139.7 cm
Panel resolution	1920 x 1080	1920 x 1080
Recommended resolution	1920 x 1080 60 Hz	1920 x 1080 120 Hz
Brightness (nits)	430 cd/m ²	450 cd/m ²
Contrast ration	5000:1 (Typ.)	5000:1 (Typ.)
Response time	8ms (Gray to Gray)	6ms (Gray to Gray)
Aspect ration	16:9	16:9
Display colors	16.7M Colors	16.7M Colors
Viewing angle horizontal / vertical	178°/178° (Typ)	178°/178° (Typ)
Pixel pitch (mm)	0.46125(H) x 0.15375(V)	0.63(H) x 0.63(V)
Back Light unit	CCFL	CCFL
W x D x H (mm)	1083 x 56.5 x 627	1286 x 62.5 x 745
Supplier	Samsung	Samsung

Connectivity

Video Input (analogue)	VGA Component (BNC) Composite video(BNC), RGB	VGA Component (BNC) Composite video(BNC), RGB
Video Input (digital)	HDMI x3	HDMI x3
Video Output (analogue)	VGA Component(BNC)	VGA Component(BNC)
Audio Input	PC / Component / AV (RCA)	PC / Component / AV (RCA)
Speaker Output	8 Ohm	8 Ohm
USB (for touch)	USB	USB
Network Controllable Input	RS232C	RS232C
Network Controllable Output	RS232C	RS232C

Features / Convenience

VIDEO		
PSM	Standard, Cool1, Cool2, Warm1, Warm2	Standard, Cool1, Cool2, Warm1, Warm2
Picture Mode	16:9, 14:9, 4:3, Zoom1, Zoom2	16:9, 4:3, Zoom1, Zoom2
Color Status Memory	Yes	Yes
Progressive Scan	Yes	Yes
SOUND		
Stereo	MTS(Stereo, Mono)	MTS(Stereo, Mono)
SSM	User, Flat, Music, Movie, Speech	User, Flat, Music, Movie, Speech
Equalizer	5 Channels adjust	5 Channels adjust
Output	10W 2 channels RMS	10W 2 channels RMS
FUNCTION		
PIP	PIP, POP, PBP, PIP POSITION	PIP, POP, PBP, PIP POSITION
Languages	English, Spanish, French, Italian, German, (EU 16 Countries)	English, Spanish, French, Italian, German, Korean, Japanese

Total Cost of ownership

Service & Warranty	3 year	3 year
Power Consumption (Min~Max)	80~220W	60~270W
Power Consumption Sleep Mode	<1W	<1W
MTBF	45.000 h	50.000 h

Dimensions

Dimensions(not including stand) mm	1141(B)x729(H)x124.7(D)	1335.5(B)x850(H)x100(D)
Product weight	45,3 Kg	61,1 Kg
VESA Mount	600 x 300 mm	800 x 400 mm
Green approvals	Lead free, RoHS compliant	Lead free, RoHS compliant
Regulatory approvals	CE, FCC, TUV, KCC, KC	CE, FCC, TUV, KCC, KC
Thickness of safety glass	4mm	4mm

Touch System

Detection method	Optical sensing	Optical sensing
Touch tool	Hand or other solid object	Hand or other solid object
Accuracy	±2mm	±2mm
Read Speed	15 m/s (66update/s)	15 m/s (66update/s)
Response time	50m/s(min)	50m/s(min)
Effective screen size (w x h)	1021 x 575 mm	1213 x 683 mm
Interface	USB 1.1(Full speed) HID compliant,PNP	USB 1.1(Full speed) HID compliant,PNP
Supported OS	Windows XP / Vista / 7 / 8 / Mac	Windows XP / Vista / 7 / 8 / Mac
Touch Driver	No need	No need

Product accessories included

Annotation software	Ctools Plus	Ctools plus
Power cable	Yes	Yes
RGB cable	Yes	Yes
HDMI - DVI cable	Yes	Yes
RCA Cable	Yes	Yes
Remocon + Batteries(AAA*2) 1.5V	Yes	Yes
Pen tray	Yes	Yes
User Manual	Yes	Yes
Speakers	Built-in	Built-in

Product accessories optional

Table feet	optional	optional
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Other

Anti reflection glass	Yes	Yes
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Article code	10051285	10051292
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55 inch LED



65inch LCD



Panel

Diagonal Size	55"/139.7cm	65"/165cm
Panel resolution	1920 x 1080	1920 x 1080
Recommended resolution	1920 x 1080 120 Hz	1920 x 1080 60 Hz
Brightness (nits)	450cd/m ²	500cd/m ²
Contrast ration	5000:1 (Typ.)	5000:1 (Typ.)
Response time	6ms (Gray to Gray)	5.5ms(Gray to Gray)
Aspect ration	16:9	16:9
Display colors	16.7M Colors	16.7M Colors
Viewing angle horizontal / vertical	178°/178° (Typ)	178°/178° (Typ)
Pixel pitch (mm)	0.63(H)X0.63(V)	0.744(H)X0.744(V)
Back Light unit	Edge type LED	CCFL
W x D x H (mm)	1267.6 x 30.9 x 744.4	1508 x 60 x 878
Supplier	Samsung	AUO

Connectivity

Video Input (analogue)	VGA Component (BNC) Composite video(BNC), RGB	VGA Component (BNC) Composite video(BNC), RGB
Video Input (digital)	HDMI x3	HDMI x3
Video Output (analogue)	VGA Component(BNC)	VGA Component(BNC)
Audio Input	PC / Component / AV (RCA)	PC / Component / AV (RCA)
Speaker Output	8 Ohm	8 Ohm
USB (for touch)	USB	USB
Network Controllable Input	RS232C	RS232C
Network Controllable Output	RS232C	RS232C

Features / Convenience

VIDEO		
PSM	Standard, Cool1, Cool2,Warm1, Warm2	Standard, Cool1, Cool2,Warm1, Warm2
Picture Mode	16:9, 4:3, Zoom1, Zoom2	16:9, 4:3, Zoom1, Zoom2
Color Status Memory	Yes	Yes
Progressive Scan	Yes	Yes
SOUND		
Stereo	MTS(Stereo, Mono)	MTS(Stereo, Mono)
SSM	User, Flat, Music, Movie, Speech	User, Flat, Music, Movie, Speech
Equalizer	5 Channels adjust	5 Channels adjust
Output	10W 2 channels RMS	10W 2 channels RMS
FUNCTION		
PIP	PIP, POP, PBP, PIP POSITION	PIP, POP, PBP, PIP POSITION
Languages	English, Spanish, French, Italian, German, Korean, Japanese	English, Spanish, French, Italian, German, Korean, Japanese

Total Cost of ownership

Service & Warranty	3 year	3 year
Power Consumption (Min~Max)	40~146W	183~550 W
Power Consumption Sleep Mode	<1W	<1W
MTBF	45.000 h	50.000 h

Dimensions

Dimensions(not including stand) mm	1335.5(B)x850(H)x100(D)	1555(B) x 960(H) x 135(D)
Product weight	56Kg	94Kg
VESA Mount	600 x 400 mm	710 x 400 mm
Green approvals	Lead free, RoHS compliant	Lead free, RoHS compliant
Regulatory approvals	CE, FCC, TUV, KCC, KC	CE, FCC, TUV, KCC, KC
Thickness of safety glass	4mm	4mm

Touch System

Detection method	Optical sensing	Optical sensing
Touch tool	Hand or other solid object	Hand or other solid object
Accuracy	±2mm	±2mm
Read Speed	15 m/s (66update/s)	15 m/s (66update/s)
Response time	50m/s(min)	50m/s(min)
Effective screen size (w x h)	1213 x 683 mm	1435 x 810 mm
Interface	USB 1.1(Full speed) HID compliant,PNP	USB 1.1(Full speed) HID compliant,PNP
Supported OS	Windows XP / Vista / 7 / 8 / Mac	Windows XP / Vista / 7 / 8 / Mac
Touch Driver	No need	No need

Product accessories included

Annotation software	Ctools Plus	Ctools Plus
Power cable	Yes	Yes
RGB cable	Yes	Yes
HDMI - DVI cable	Yes	Yes
RCA Cable	Yes	Yes
Remocon + Batteries(AAA*2) 1.5V	Yes	Yes
Pen tray	Yes	Yes
User Manual	Yes	Yes
Speakers	Built-in	Built-in

Product accessories optional

Table feet	optional	optional
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Other

Anti reflection glass	Yes	Yes
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Article code

10051295

10051301

CTOUCH

70inch LCD



82inch LCD



Panel

Diagonal Size	70"/177.8 cm	82"/208.28 cm
Panel resolution	1920 x 1080	1920 x 1080
Recommended resolution	1920 x 1080 60 Hz	1920 x 1080 60 Hz
Brightness (nits)	600cd/m ²	600cd/m ²
Contrast ration	2000:1 (Typ.)	2000:1 (Typ.)
Response time	8ms (Gray to Gray)	8ms (Gray to Gray)
Aspect ration	16:9	16:9
Display colors	16.7M Colors	16.7M Colors
Viewing angle horizontal / vertical	178°/178° (Typ)	178°/178° (Typ)
Pixel pitch (mm)	0.807(H) x 0.807(V)	0.9405(H) x 0.9405(V)
Back Light unit	CCFL	CCFL
W x D x H (mm)	1630 x 83.6 x 952.0	1878.6 x 92.5 X 1083.6
Supplier	Samsung	Samsung

Connectivity

Video Input (analogue)	VGA Component (BNC) Composite video(BNC), RGB	VGA Component (BNC) Composite video(BNC), RGB
Video Input (digital)	HDMI x3	HDMI x3
Video Output (analogue)	VGA Component(BNC)	VGA Component(BNC)
Audio Input	PC / Component / AV (RCA)	PC / Component / AV (RCA)
Speaker Output	8 Ohm	8 Ohm
USB (for touch)	USB	USB
Network Controllable Input	RS232C	RS232C
Network Controllable Output	RS232C	RS232C

Features / Convenience

VIDEO		
PSM	Standard, Cool1, Cool2, Warm1, Warm2	Standard, Cool1, Cool2, Warm1, Warm2
Picture Mode	16:9, 4:3, Zoom1, Zoom2	16:9, 4:3, Zoom1, Zoom2
Color Status Memory	Yes	Yes
Progressive Scan	Yes	Yes
SOUND		
Stereo	MTS(Stereo, Mono)	MTS(Stereo, Mono)
SSM	User, Flat, Music, Movie, Speech	User, Flat, Music, Movie, Speech
Equalizer	5 Channels adjust	5 Channels adjust
Output	10W 2 channels RMS	10W 2 channels RMS
FUNCTION		
PIP	PIP, POP, PBP, PIP POSITION	PIP, POP, PBP, PIP POSITION
Languages	English, Spanish, French, Italian, German, Korean, Japanese	English, Spanish, French, Italian, German, Korean, Japanese

Total Cost of ownership

Service & Warranty	3 year	3 year
Power Consumption (Min~Max)	60~700 W	850~979 W
Power Consumption Sleep Mode	<1W	<1W
MTBF	50.000 h	50.000 h

Dimensions

Dimensions(not including stand) mm	1667(B) x 1028(H) x 131(D)	1924(B) x 1175(H) x 132(D)
Product weight	98,5 Kg	160Kg
VESA Mount	1047 x 420 mm	800 x 600 mm
Green approvals	Lead free, RoHS compliant	Lead free, RoHS compliant
Regulatory approvals	CE, FCC, TUV, KCC, KC	CE, FCC, TUV, KCC, KC
Thickness of safety glass	4mm	4mm

Touch System

Detection method	Optical sensing	Optical sensing
Touch tool	Hand or other solid object	Hand or other solid object
Accuracy	±2mm	±2mm
Read Speed	15 m/s (66update/s)	15 m/s (66update/s)
Response time	50m/s(min)	50m/s(min)
Effective screen size (w x h)	1550 x 873 mm	1804 x 1015 mm
Interface	USB 1.1(Full speed) HID compliant,PNP	USB 1.1(Full speed) HID compliant,PNP
Supported OS	Windows XP / Vista / 7 / 8 / Mac	Windows XP / Vista / 7 / 8 / Mac
Touch Driver	No need	No need

Product accessories included

Annotation software	Ctools Plus	Ctools Plus
Power cable	Yes	Yes
RGB cable	Yes	Yes
HDMI - DVI cable	Yes	Yes
RCA Cable	Yes	Yes
Remocon + Batteries(AAA*2) 1.5V	Yes	Yes
Pen tray	Yes	Yes
User Manual	Yes	Yes
Speakers	Built-in	Built-in

Product accessories optional

Table feet	optional	optional
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Other

Anti reflection glass	Yes	optional
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Article code	10051311	10051315
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CTOUCH ACCESSORIES



Interslate wireless tablet, walking around in the classroom and interact-write on touch display



Vision wallspeakers (white) 70 watt passive incl. wallmount



XXL wallmount suitable for displays from 37" and bigger, max. 100 kg.



height-adjustable column system with whiteboards



Sky-Lite mobile for displays from 65" and bigger, max. 85 kg



Custom made, Kiosk, Desk and Table solutions.

C-TOOLS

Calibrate your screen once, and start right away – even without a pen!

With the C-tools software, C-tools turns your LCD screen into a completely digital blackboard.

For more information, please visit www.c-tools.nl





Reseller