



TOUCHBOARD PRO V3 LED MULTI-TOUCH PANEL

TBP-65-PRO-V3 TOUCHBOARD 65"
TBP-75-PRO-V3 TOUCHBOARD 75"
TBP-86-PRO-V3 TOUCHBOARD 86"
TBP-98-PRO-V3 TOUCHBOARD 98"

INTERACT with your audience, ENGAGE with your listeners, ACHIEVE better results. TouchBoard Pro is the ultimate all-in-one interactive display board. Powerful Simple Collaboration Technology

DIGITAL TOOLS FOR COLLABORATIVE LEARNING ENVIRONMENTS



TOUCHBOARD FEATURES



ANDROID

Upgradable Android operating platform, it's as easy to use like your smartphone or tablet. It comes pre-loaded with a suite of specially selected apps to get you started right away.



SCREEN PROJECTION

Collaborate by mirroring your screen flawlessly in real time. Multi-screen mirroring with student interaction while browsing and sharing files, videos and photos. Students can share their display from their devices, creating a collaborative environment.

4K

ULTRA-CLEAR 4K UHD RESOLUTION

Provides readability from the front to the back of the classroom or lecture hall. Also has the ability to record classes or lectures, means no one will miss a beat.



WARRANTY AND SUPPORT

Peace of mind with our comprehensive 5 year warranty and support program. Protect your investment with our warranty and support commitment extending beyond the 5 years



SOFTWARE

Annotation software provides the ability to annotate on photos, videos, webpages or any other screen or input channel. Simply annotate and quickly share documents.



20 POINT MULTI-TOUCH INFRARED TECHNOLOGY

Delivering exceptional reliability. Ultra-thin IR Bezel provides a responsive and accurate writing experience. Students can simply Plug and Play their devices with no drivers or calibration required. Windows gesture support enabled.

PRODUCT SPECIFICATIONS

DISPLAY

LCD Size	65", 75", 86", 98"
LCD Brand	LG, BOE
Backlight Type	D-LED
Resolution	65" 3840x2160(pixels), 75" 86" 98" 3840x2160(pixels)
Brightness	65" 75" 400cd/m ² (min.), 86" 350cd/m ² (min.) 98" 460cd/m ² (typ.)
Contrast Ratio	65" 1300:1, 75" 86" 98" 1200:1
Response Time	65" 6ms, 75" 8ms, 86" 98" 8ms
Pixel Pitch(mm)	65" 0.4960(H)x0.372(V), 75" 0.4290(H)x0.429(V), 86" 0.4935(H)x0.4935(V), 98" 0.5622(H)x0.5622(V)
Refreshing Frequency	65" 60Hz, 75" 86" 98" 120Hz
Viewing Angle	178°(H) / 178°(V)
LifeTime	30,000 hrs (min.)
Color Gamut(X%NTSC)	65" 98" 68%, 75" 86" 65%
View Area(mm)	65" 1428.48x803.52, 75" 1649.66x927.94, 86" 1895.04x1065.96, 98" 2158.84x1214.352
Display Colors	1.07B(10bit)

ELECTRICAL

Chipset	MSD8386
CPU Architecture	ARM A73+A53
CPU Working Frequency	1.5GHz
CPU Core	QuadCore
GPU	MaliG51
RAM	2GB/3GB DDR
ROM	16GB/32GB
OS	Android 8.0
Power Requirements	AC 100 V ~ 240 V, 50/60 Hz
Power Consumption Without OPS	65" 150W, 75" 400W, 86" 440W, 98" 500W
Power Consumption With OPS	65" 220W, 75" 400W, 86" 440W, 98" 550W
Standby Condition	<0.5W
Audio Output Power	2x15W/8Ω
OPS Power	65" DC 18V/5A, 75" DC12V/5A & DC18V/5A 86" DC12V/5 & DC18V/5A, 98" DC 18V/5A

INTERFACE

HDMI IN	x3, Version: HDMI2.0Up to 3840x2160@60Hz, HDMI2 support ARC function
DP IN	x1, Version: DP1.2Up to 3840x2160@60Hz, Interface: DB15Up to 1920x1080@60Hz
VGA IN	x1, Interface: DB15Up to 1920x1080@60HZ
AV IN	x1, Video: 1±0.1Vp-pAudio(L/R): 0.2-2VrmsVideo System: PAL, NTSC, SECAMInterface: Φ3.5mm mini interface
TV IN with TV function	x1, System: PAL+NTSC+DTMBReceiving Frequency: ATV: 43-870MHzDTV: 47-866MHzInterface: IEC 169-2 Female
YPBPR IN	x1, Y: 1±0.1Vp-pPb/Pr(Cb/Cr): 0.7±0.1Vp-pAudio(L/R): 0.2-2Vrms1920x1080@60HzInterface: Φ3.5mm mini interface
OPS(optional)	x1, Interface: JAE
LAN	x2, 10M/100M Base-TInterface: RJ45
Android USB	x2, Version: USB2.0Interface: Type-A
Public USB	x2, Version: USB2.0Interface: Type-A
Touch-USB	x2, Version: USB2.0Interface: Type-B
PC-Audio IN	x1, Input level: 0.2-2VrmsInterface: Φ3.5mm mini interface
RS232 IN	x1, Interface: DB9
HDMI OUT	x1, All signal can be loop-outed
AV OUT	x1, Video: 1±0.1 Vp-p;Audio(L/R): 0.2-2Vrms;Video System: PAL, NTSC, SECAMInterface: Φ3.5mm mini interface
S/PDIF OUT	x1, Type:OpticalBlack
Audio OUT	x1, Output level: 150±20mVrms(@500mVrms,1KHZ) Interface: Φ3.5mm mini interface

TOUCH

Sensing Type	InfraredTouchFrame
SurfaceProtection MOH7 Hardness	4mmToughenedGlass
InfraredTouch	20Points
InterpolationResolution	32768 x32768
TouchAccuracy	90%±1mm(±1mm)
ResponseTime	65" 75" 86" ≤10ms, 98" <11ms
OutputMode	HIDStandard
TheoryClicks	Unlimited
MinimumTouchObject	Singletouch≥1.6mm, Multipletouch≥3mm
ConnectType	USB2.0FullSpeed
Voltage	DC+5V±5%
PowerConsumption	≤2W
Windows 10/8/7,Android	MultipleTouch
Windows XPLinux,Mac OS X,Chrome	SingleTouch

STRUCTURE

ProductSize(WxDxH) in mm	65" 1512x89.15x927, 75" 1741.7x103.4x1060.2 86" 1995.2x111.9x1206.3, 98" 2244.9x108.2x1340.4
PackageSize(WxDxH) in mm	65" 1660x245x1045, 75" 1880x280x1160 86" 2140x280x1340, 98" 2525x435x1750
Weight	65" NW: 51.9kg GW: 65.1kg, 75" NW: 65.4kg GW: 83.9kg 86" W: 84.2kg GW: 111.8kg, 96" NW: 139.4kg GW: 192.4kg
Housing	65" Aluminum/Metal Black/Black 75", 86", 98" Aluminum /Black
VESA	65", 75", 98" 4-M8ScrewHole600mmx400mm 86" 4-M8ScrewHole700mmx400mm

Test Requirements

1. EMC

Interference characteristic limit complying with GB/T 9254 or GB/T 13837. Immunity limit complying with GB 17625.1. Harmonic current limit complying with GB 17625.1.

Compliance: SAA 183344; RCM POC18112823

CE - EMC Directive (2014/30/EU)

Relevant Standards: EN 55032:2015/AC:2016; EN 55035:2017; EN 61000-3-2:2014; EN 61000-3-3:2013
RCM-IEC 60950-1

2. Safety

Safety performance complying with GB 4943.1 and GB 8898

3. Reliability

3.1 Low Temperature Storage Test, complying with SJ/T11326-2006.6.1.5.3.

3.2 Low Temperature Load Test, complying with SJ/T11326-2006.6.1.4.3.

3.3 High Temperature Storage Test, complying with SJ/T11326-2006.6.1.2.3.

3.4 High Temperature Load Test, complying with SJ/T11326-2006.6.1.1.3.

3.5 Steady Damp Heat Test, complying with SJ/T11326-2006.6.1.3.3.

4. ESD

Electrostatic discharge immunity test complying with GB/T 17626.2 of contact discharge 4KV and air discharge 8KV, meeting the requirement of level B.

Accessories

Accessories	Quantity
Remote Control	x1
Touch Pen	x2
3m Power Cord	x1
3m USB A-B Cable	x1
3m HDMI Cable	x1
Qualified Certificate Lable	x1
Instruction	x1
Warranty Card	x1
Wall Mount	x1
Base	Optional

Environment

Operating temperature 0 ~ + 40°C.

Storage temperature -10°C ~ +60°C.

Operating humidity 20% ~ 80% RH Non-Condensing.

Storage humidity 10% ~ 80% RH Non-Condensing.

Operating altitude ≤5000m.

The longest service time 18 Hours×7 days



