

# IMPACT Lux Specifications

## Display Panel

Diagonal Size	65" 4K, 75" 4K, 86" 4K
Screen Type	LCD
Aspect Ratio	16:9
Display Colours	1.07 Billion (10 bit)
Resolution	4K UHD (3840x2160)
Response Time	5ms
Refresh Rate	60Hz
LCD Viewing Angle	178°
Brightness	500 cd/m2
Contrast Ratio	4000:1
Dynamic Contrast Ratio	6000:1
Glass Hardness	AG Tempered Glass - Mohs Level 7
Glass Thickness	3mm
<b>NEW Glass Type</b>	Low Parallax 0mm Air Gap - Heat tempered - Anti Glare & Anti Smudge for durability - Super Glide Surface
<b>NEW Antibacterial Glass</b>	Yes
<b>NEW Antibacterial Power Button</b>	Yes
Main Board	RK3588
Life of Screen	50,000 Hours
NTSC	72%

## Interactivity

Writing Technology	High Precision IR Technology + Material Classification Sensor
<b>NEW Continuous Touch Points</b>	50
Touch Resolution	32768x32768px
Response Time	≤5ms
Touch Accuracy	±1mm
Minimum Object Size	2mm
Touch Tool	Finger, passive pen, opaque objects
Simultaneous Writing	Yes
Ink In Tools	Yes - LYNX
Pens Included	2
<b>NEW Pen Type</b>	Dual Recognition Stylus   Super Cool Stylus 2.0
Pen Holder	Integrated magnetic pen holders
Pen Tip Diameter	3mm/7mm
Pen & Touch Differentiation	Yes
Pen Identities	2
Palm Rejection	Yes
Annotation Over Any Source	Yes
Classroom Essential Apps	Includes Whiteboard, Annotate, Timer, Media Players, Browser, PDF Reader, Screen Record, Spinner, Voting, Maths Tools
Compatibility*	Windows 10, Linux, Mac, Android, Chrome
Tracking Rate	≥1m/s
Scan Rate	≥100hz
Gestures & Edge Swipes	Windows Supported, OSX With additional Driver

## Connectivity

OPS Slot	1 - Intel Spec 80Pin
HDMI In	3
HDMI Out	1
USB-A 2.0	3
USB Touch (type B)	3
<b>NEW USB A 3.0 (faster data transfer)</b>	2 x USB Front Type A 3.0 with faster data transfer 2 x USB Side Type A 3.0 with faster data transfer
<b>NEW USB C (Video, Audio &amp; Touch)</b>	1 x USB Side Type C with video, audio, touch & network 1 x USB Front Type C with video, audio, touch, network, and 100W charging
<b>NEW USB C (Data Transfer)</b>	1 x USB Top Type C Supports data transfer for top mounted camera
<b>NEW USB C Out</b>	1 x USB Type C Out with video, audio, touch and network
Display Port In	1
LAN In (RJ45)	1
LAN Out (RJ45)	1
RS-232	Yes
Wake-on-Lan	Yes
Wireless Adapter	2.0 + WAP
Clevertouch WiFi Module	Yes
Bluetooth	Yes - 5.2
Audio In	1 (3.5mm)
Optical Out	1 (coax)
Headphone	1 (3.5mm)
Total touch out ports	3
NFC Reader / Writer	Integrated
Camera	Optional Extra
Proximity Sensor	Yes
<b>NEW WiFi</b>	IEEE 802.11a/b/g/n/ac/ax with 2 x 2 MIMO (hotspot only) (both 2.4 and 5 GHz bands)
<b>NEW WiFi Speed</b>	Capable of speeds up to 1GB

## Computing

<b>NEW Operating System</b>	Android 13
<b>NEW System Version</b>	Lux 13
<b>NEW RAM</b>	8GB
<b>NEW Internal Storage</b>	128GB
CPU	Quad Core A76 + Quad Core A55
GPU	Mali G610 MC4
Android Resolution	4K
Integrated Lux UI	Yes
<b>NEW System Architecture</b>	64-bit
<b>NEW Google Certification</b>	EDLA Certified (Enterprise Device Licence Agreement)
<b>NEW Access to Google Playstore Apps</b>	Yes (certified)
<b>NEW Access to Microsoft Apps</b>	Yes (certified)
<b>NEW Access to Google Cloud Services</b>	Yes (certified)

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## Power

<b>Power Requirements</b>	100 - 240 ~ 50/60Hz 3.5A
<b>Power Consumption (Normal)</b>	65" 117W 75" 145W 86" 168W
<b>Power Consumption (Standby)</b>	≤0.5W
<b>Ultra Quiet Fanless Design</b>	Yes

## Operating & Storage Environment

<b>Operating Temperature</b>	0° to 40°
<b>Storage Temperature</b>	-20° to 60°
<b>Operating Humidity</b>	10% to 90% RH
<b>Storage Humidity</b>	10% to 90% RH
<b>Altitude</b>	Below 5000 metres

## Audio

<b>NEW Dual Front Facing, Bass Enhanced Speakers</b>	2 x 20W Front Facing + 2x 10W Subwoofer
<b>Audio Out</b>	Yes
<b>SPDIF / Fibre</b>	Yes
<b>Sound Channel</b>	2.2
<b>Line Array Microphone (noise cancelling)</b>	8-array
<b>Super Wide Sound</b>	Yes

## IMPACT Lux Built-In Features

<b>LYNX™ App With Online Lesson Planning</b>	Yes
<b>Cleverstore™ App Store For Education</b>	Yes
<b>Embedded Digital Signage</b>	Yes
<b>Clevershare™ Mirroring Any Device To The Board</b>	Free for the life of the screen (touch back)
<b>Integrated Personalised Account Profiles</b>	Yes
<b>Cloud Account Access</b>	OneDrive, Google Drive, LYNX Cloud
<b>Embedded Room Booking</b>	Yes
<b>Whiteboard Annotation</b>	Yes
<b>Email Out Direct From Touchscreen</b>	Yes
<b>Scan QR Code For Saving Work</b>	Yes
<b>Alerts and Announcements</b>	Yes
<b>Over-the-Air Updates</b>	Yes
<b>Remote Management Of Touchscreens (MDM)</b>	Yes - Five year license
<b>NEW CleverLauncher™</b>	Yes
<b>NEW LynxShare™</b>	Yes
<b>NEW LynxCloud™</b>	Yes

## Physical Spec

<b>Panel Dimensions</b>	65" 1488 x 908 x 86mm 75" 1709.06 x 1038.75 x 85.7mm 86" 1957 x 1178.42 x 85.7mm
<b>Packed Dimensions</b>	65" 1628 x 208 x 1014mm 75" 1863 x 225 x 1155mm 86" 2110 x 225 x 1304mm
<b>Net Weight</b>	65" 37.90kg 75" 50.25kg 86" 63.90kg
<b>Packed Weight</b>	65" 46.45kg 75" 63.60kg 86" 80.35kg
<b>VESA Mount Point</b>	65" 600 x 400mm 75" 800 x 400mm 86" 800 x 600mm

## Inside your Clevertouch Box

<b>What's In The Box</b>	(1) Clevertouch IMPACT Lux (1) 1.5M Length HDMI Cable (1) 3M Length USB cable (A-B) (1) 1.5M USB C Cable (1) 3M Regional Power Cable (1) Remote Control (2) Batteries for Remote Control (2) Super Cool Stylus 2.0 (1) User Guide (1) Quick Install Guide (1) Wireless Adapter 2.0 + WAP
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## Warranty

Warranty term and upgrade options vary by region. Contact your local reseller or distributor for information and visit [clevertouch.com/about/warranty](http://clevertouch.com/about/warranty)

## Compliance & Certification

<b>Regulatory Certification</b>	CE, FCC, UL, Energy Star & EEC
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## Statement

Size and weight vary by configuration and manufacturing process, please refer to the actual product. The product images are for illustrative purposes only and may slightly differ in appearance, colour, size, etc. from the actual product. The description, illustrations, etc. in this document may subject to change in accordance with the latest product specification and performance. Should the above-mentioned change in the document become necessary, the document may be updated without written notice.

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