

# IMPACT Series Gen 2

## Quick Comparison Spec

	IMPACT Gen 2	IMPACT Plus Gen 2
Sizes	65" 4K, 75" 4K, 86" 4K	55" 4K, 65" 4K, 75" 4K, 86" 4K
<b>NEW</b> RAM	3GB RAM	6GB RAM
<b>NEW</b> Internal Storage	32G	64GB
4K UHD (3840x2160 @60Hz)	Yes	Yes
Tempered Glass - Mohs Level 7	Yes	Yes
High Precision Technology	Yes	Yes
20 Continuous Touch Points	Yes	Yes
Finger, Gesture & Pen	Yes	Yes
Simultaneous Writing	Yes	Yes
LYNX Whiteboard, Cleverstore, Snowflake	Yes	Yes
Ink-In Tools Via LYNX	Yes	Yes
Dual Recognition Stylus	Yes	Yes
Palm Rejection	Yes	Yes
Annotate Over Any Source	Yes	Yes
Classroom Essential Apps: Includes Whiteboard, Annotate, Timer, Media Players, Browser, Pdf Reader, Screen Record, Spinner, Voting, Maths Tools	Yes	Yes
Compatible With Windows 7 To 10, Windows XP, Linux, Mac, Android, Chrome	Yes	Yes
<b>NEW</b> Android 9 4K Chipset	No	Yes
<b>NEW</b> LUX 9 Powered By Android 9	No	Yes
2 X 15 Watt Speakers	Yes	Yes
<b>NEW</b> Front-Facing Speakers	No	Yes
Super Wide Sound Subwoofer (45w)	No	Yes
<b>NEW</b> 6 Array Microphone	Yes	Yes
OPS Intel PC Slot	Yes	Yes
<b>NEW</b> Zero Bonding	Gen 1	Gen 2
Front-mounted USB-A	No	Yes
<b>NEW</b> 1x USB-C with video, audio, touch, power and hardware optimization – side-mounted	Yes	Yes
<b>NEW</b> 1x USB-C with video, audio, touch, power and hardware optimization and ethernet – front-mounted	No	Yes
NFC Sensor (via optional extra hardware)	Yes	Yes
<b>NEW</b> Environmental Sensors (via optional Intelligent Camera)	No	Yes
<b>NEW</b> 4K Camera with swivel view (via optional Intelligent Camera)	No	Yes
Motion Sensor	No	Yes
<b>NEW</b> Ambient light sensor	No	Yes
Clevershare Hardware Integrated	Yes	Yes
True 4K User Interface	No	Yes
Super Cool Stylus	No	Yes



## Why Choose Clevertouch Technologies?

- ✓ Trusted Brand
- ✓ No ongoing cost
- ✓ Free training
- ✓ Part of a Digital Ecosystem of products – control them all from one online platform
- ✓ Supports Remote Learning
- ✓ Dedicated Support Team
- ✓ Free updates and new features

## Display

<b>Diagonal Size</b>	55" 4K, 65" 4K, 75" 4K, 86" 4K
<b>Screen Type</b>	TFT LCD - Direct LED Backlight
<b>Aspect Ratio</b>	16:9
<b>Display Colors</b>	1.07 Billion (10bit)
<b>Resolution</b>	4K UHD (3840 x 2160)
<b>Response Time</b>	5ms
<b>Refresh Rate</b>	60Hz
<b>LCD Viewing Angle</b>	178°
<b>Brightness</b>	420 cd/m2
<b>Contrast Ratio</b>	55" 4500:1 65" 4500:1 75" 4500:1 86" 4500:1
<b>Dynamic Contrast Ratio</b>	55" 5000:1 65" 5000:1 75" 5000:1 86" 5000:1
<b>Glass Hardness</b>	AG Tempered Glass - Mohs Level 7
<b>NEW Glass Type</b>	Low Parallax Zero Bonding - Heat tempered - Anti Glare - Super Glide Surface
<b>NEW Main Board</b>	9950 MTK (MStar)
<b>Life of Screen</b>	50,000 hours

## Interactivity

<b>Writing Technology</b>	High Precision IR Technolgy
<b>Continuous Touch Points</b>	20
<b>Touch Resolution</b>	32768x32768
<b>Response Time</b>	≤10ms
<b>NEW Touch Accuracy</b>	1mm
<b>Minimum Object Size</b>	3mm
<b>Touch Tool</b>	Finger, Gesture, Passive Infrared pen
<b>Simultaneous Writing</b>	Yes
<b>Ink In Tools</b>	Yes - LYNX
<b>Pens Included</b>	2
<b>Pen Type</b>	Dual Recognition Stylus
<b>Pen Holder</b>	Integrated Full-length Pen Tray
<b>Pen Tip Diameter</b>	3mm/7mm
<b>Pen &amp; Touch Differentiation</b>	Yes
<b>Pen Identities</b>	2
<b>Palm Rejection</b>	Yes
<b>Annotation Over Any Source</b>	Yes
<b>Classroom Essential Apps</b>	Includes Whiteboard, Annotate, Timer, Media Players, Browser, PDF Reader, Screen Record, Spinner, Voting, Maths Tools
<b>Compatibility</b>	Windows 10, Linux, Mac, Android, Chrome
<b>Tracking Rate</b>	6m/s
<b>Scan Rate</b>	200Hz
<b>Gestures &amp; Edge Swipes</b>	Windows Supported, OSX with additional Driver

## Connectivity

<b>OPS Slot</b>	1 - Intel® spec 80Pin
<b>HDMI In</b>	3
<b>HDMI Out</b>	1
<b>USB-A 2.0</b>	1 (1 USB for system upgrade)
<b>USB Touch (type B)</b>	2
<b>NEW USB A 3.0</b> (Faster Data Transfer)	4
<b>NEW USB C</b>	1x USB-C with video, audio, touch, power and hardware optimization and ethernet – front-mounted 1x USB-C with video, audio, touch, power and hardware optimization – side-mounted 1 (Supports 65W Charging)
<b>LAN In (RJ45)</b>	1
<b>NEW LAN Out (RJ45)</b>	1
<b>RS-232</b>	Yes
<b>Wake-on-Lan</b>	Yes
<b>NEW Wireless Adapter</b> 2.0 + WAP	Upgraded
<b>NEW Bluetooth</b>	Yes – 5.0
<b>VGA In</b>	1
<b>Audio In</b>	1 (3.5mm)
<b>Optical Out</b>	1 (Coax)
<b>Headphone</b>	1 (3.5mm)
<b>Total touch out ports</b>	2
<b>NFC Reader / Writer</b>	Optional Extra
<b>Camera</b>	Optional Extra
<b>Proximity Sensor</b>	Yes
<b>Array Microphone</b>	Yes – Omni-directional up to 8 meters
<b>WiFi</b>	IEEE 802.11a/b/g/n/ac with 2 x 2 MIMO (hotspot only) (both 2.4 and 5 GHz bands)
<b>WiFi Speed</b>	Capable of speeds up to 433Mbps

## Computing

<b>NEW Operating System</b>	Android 9
<b>NEW System Version</b>	LUX 9
<b>NEW RAM</b>	6GB
<b>NEW Internal Storage</b>	64GB
<b>NEW CPU</b>	Quad Core A73
<b>NEW GPU</b>	Mali G52MC2
<b>Android Resolution</b>	4K
<b>Integrated LUX UI</b>	Yes

## Audio

<b>Dual Front Facing, Bass Enhanced Speakers</b>	2 x 15 Watt Speakers + 15 Watt Subwoofer
<b>Audio Out</b>	Yes
<b>SPDIF / Fibre</b>	Yes
<b>Sound Channel</b>	2.1
<b>Line Array Microphone</b>	Yes
<b>Super Wide Sound</b>	Yes

## Power

<b>Power Requirements</b>	100 - 240 ~ 50/60Hz 3.5A
<b>Power Consumption (Normal)</b>	55" 102W 65" 117W 75" 145W 86" 168W
<b>Power Consumption (Standby)</b>	< 0.5 Watts
<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

## Physical Specifications

<b>Panel Dimensions</b>	55" 1262x794x89mm 65" 1488x920x90mm 75" 1709x1043x89mm 86" 1957x1182x86mm
<b>Packed Dimensions</b>	55" 1428x220x902mm 65" 1628x208x1024mm 75" 1860x280x1163mm 86" 2112x280x1304mm
<b>Net Weight</b>	55" 27.7Kg 65" 37.3Kg 75" 51.1Kg 86" 63.8Kg
<b>Packed Weight</b>	55" 33.9Kg 65" 45.7Kg 75" 63.9Kg 86" 78.9Kg
<b>VESA Mount Point</b>	55" 400x200mm 65" 400x200mm 75" 800x400mm 86" 800x600mm

## 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

**Regulatory Certification** CE, FCC, UL, Energy Star & EEC



## IMPACT™ Built-in Features

<b>NUITEQ™ Snowflake</b>	Yes
<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 Accounts Profiles</b>	Yes
<b>Cloud Account Access</b>	OneDrive  Google Drive
<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>CleverMessage™ – Instant Alert Messaging</b>	Yes
<b>Over-the-Air Updates</b>	Yes
<b>Remote Management Of Touchscreens (MDM)</b>	Yes - Five year license

## Packed Contents - Inside your Clevertouch Box

<b>What's In The Box</b>	(1) Clevertouch IMPACT Plus 2™ (1) 1.5M Length HDMI Cable (1) 3M Length USB cable (A-B) (2) 1.5M USB-C Cable (1) 3M Regional Power Cable (1) 5M 3.5mm Audio Cable (1) Remote Control (2) Batteries for Remote Control (2) Dual Recognition Stylus (1) User Guide (1) Quick Install Guide (1) Wireless Adapter 2.0 + WAP
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## Installation

The installation of this product should be completed by a qualified installer. Use of components not supplied by Clevertouch or not meeting minimum specifications may impact performance, safety and warranty. For more information, visit [clevertouch.com](http://clevertouch.com)

## Support

For all Clevertouch products, visit: [support.clevertouch.com](http://support.clevertouch.com)

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## Display

Diagonal Size	65" 4K, 75" 4K, 86" 4K
Screen Type	TFT LCD - Direct LED Backlight
Aspect Ratio	16:9
Display Colors	1.07 Billion (10 bit)
Resolution	4K UHD (3840 x 2160)
Response Time	5ms
Refresh Rate	60Hz
LCD Viewing Angle	178°
Brightness	400 cd/m2
Contrast Ratio	65" 4000:1 75" 4000:1 86" 4000:1
Dynamic Contrast Ratio	65" 5000:1 75" 5000:1 86" 5000:1
Glass Hardness	Tempered Glass - Mohs Level 7
<b>NEW</b> Glass Type	Low Parallax 1mm Air Gap - Heat tempered - Anti Glare - Super Glide Surface
Main Board	MS848 - MStar
Life of Screen	50,000 hours

## Interactivity

Writing Technology	High Precision IR Technology
Continuous Touch Points	20
Touch Resolution	32768x32768px
Response Time	≤10ms
Touch Accuracy	1.5mm
Minimum Object Size	3mm
Touch Tool	Finger, Gesture, Passive Infrared pen
Simultaneous Writing	Yes
Ink In Tools	Yes - LYNX
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USB Touch (type B)	2
USB A 3.0 (Faster Data Transfer)	3
<b>NEW</b> USB C (Video, Audio & Touch)	1 (Supports 65W Charging)
LAN In (RJ45)	1
RS-232	Yes
Wake-on-Lan	Yes
Wireless Adapter 2.0 + WAP	Yes
Clevertouch WiFi Module	Yes
<b>NEW</b> Bluetooth	Yes - 5.0
VGA In	1
Audio In	1 (3.5mm)
Optical Out	1 (Coax)
Headphone	1 (3.5mm)
Total touch out ports	2
NFC Reader / Writer	Optional Extra
Camera	Optional Extra
Proximity Sensor	No
Array Microphone	No
WiFi	IEEE 802.11a/b/g/n/ac (2.4 and 5 GHz bands)
WiFi Speed	Capable of speeds up to 433Mbps

## Computing

Operating System	Android Oreo 8
System Version	LUX 8
<b>NEW</b> RAM	3GB
<b>NEW</b> Internal Storage	32GB
CPU	Dual Core A73+Dual Core A53
GPU	Dual Core Mali G51
Android Resolution	4K
Integrated LUX UI	Yes

## Audio

Dual Front Facing, Bass Enhanced Speakers	2 x 15 Watt Speakers
Audio Out	Yes
SPDIF / Fibre	Yes
Sound Channel	2
<b>NEW</b> Line Array Microphone 6	Yes

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Power Requirements	100 - 240V 50/60Hz 4.0A
Power Consumption (Normal)	65" 142W 75" 165W 86" 195W
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