

Touchscreen Core vs CleverTouch

At a Glance



Feature	Touchscreen Core	CleverTouch X5
Computing		
Processor	Octa-core (4x A53 + 4x A72)	Quad-core (4x A73)
RAM	8 GB	8 GB
Storage	128 GB	64 GB
Device OS		
Operating system	Android 14	Android 14
Google EDLA-certified	Yes	Yes
Hardware		
Type C ports	2x USB type-C In (1x Front 65W Power Delivery, 1x Side 15W Power Delivery)	2x USB type-C In (1x Front 65W Power Delivery, 1x Side)
HDMI ports	3x HDMI In, 1x HDMI Out	3 x HDMI, 1x HDMI Out
Microphone	Optional wireless microphone with voice amplification and background noise reduction. Also supports 3rd party microphones	3rd party microphones only
Response time	65": < 6.5 ms 75" & 86": < 8ms	6.5 ms
Sensor Box	Optional for one-tap login using NFC Card, monitors air quality, Particulate Matter (PM 2.5), motion detection	Humidity, Temperature, TVOC, and Particulate Matter (PM 2.5) Detection, NFC
Audio	2x 20W Speakers	2x 20W Speakers
Display		
Brightness	400 cd/m²	400 cd/m²
Screen type	LED	LED
Touch and Multi-tasking		
Points of touch supported	Up to 40 touch points	Up to 40 touch points
Palm rejection	Yes	Yes
Supported unique touch inputs	4 (Thin pen tip, Thick pen tip, finger, palm)	4 (Thin pen tip, Thick pen tip, finger, palm)
Invoke annotation mode automatically using pen	Yes	Information not available
Multi-tasking features	Drag and drop split screen, Multi-window mode	Drag and drop split screen, Multi-window mode

Feature	Touchscreen Core	CleverTouch X5
Screen mirroring software	OneScreen Share	CleverShare
Whiteboarding annotation software	OneScreen Write (Premium Features)	LYNX Whiteboard (Standard Features)
Remote management	OneScreen Central	Clevertouch Mobile Device Management
User accounts management	OneScreen AMS	No
AI-based Quiz Generation	OneScreen QuizWiz	No
Lesson builder and lesson repositories software	OneScreen Lessn	LYNX Whiteboard
Hybrid targeted teaching & learning	OneScreen LearningHub	No
Transcribe, translate, summaries	OneScreen Scribe	No
Smart summary of multi-modal, on-screen content	OneScreen SuprNotes	No
Push button notifications	OneScreen Beacon (Optional)	No

Larger Overview

Superior computing power	Offers faster performance with its Octa-core processor compared to the X5's Quad-core processor. It also has double the storage (128 GB vs 64 GB).
Robust AI-powered tools	Can generate captions, translations, quizzes, lessons, and smart summaries through its AI-powered tools. Also allows sending push notifications.
24/5 Free, unlimited help & training	GURU is available 24/5 for immediate help, support, training and troubleshooting via email, chat, audio or video call, and the GURU app.

Key Advantages

Octa-core processor with 128 GB storage enables faster performance and smoother multitasking
Dual full function USB-C ports with power delivery for device charging — single charging port on the X5
An intuitive home screen and streamlined interface enable faster access and effortless navigation
Generates captions, translations, summaries — all with AI and voice input
Creates AI-powered quizzes from text, documents, presentations, and image files that can be exported to any LMS or document file
Includes an AI chatbot, advanced note taking tool, and a circle-to-search option
Offers thousands of pre-made lessons for grades K-12 and an AI-powered lesson builder
Supports Google/Microsoft SSO and user-friendly QR code logins
Includes OneScreen Beacon for real-time push notifications across multiple channels
"Pen-to-annotate" mode with eraser tip support — smoother than X5's manual switch

Full Feature Comparison

Hardware

Description	Touchscreen Core	CleverTouch X5
Display and Sound		
Screen sizes available	65"/75"/ 86"/98"	65" / 75" / 86"
Screen type	LED	LED
Resolution	4K Ultra HD, 3840 (H) x 2160 (V)	4K Ultra HD, 3840 (H) x 2160 (V)
Aspect ratio	16:9	16:9
Brightness	400 cd/m²	400 cd/m2
No. of colors	1.07 Billion	1.07 billion
Power consumption (typical)	65": 185 W	65": 104.88 W
	75": 170 W	75": 135.34 W
	86": 230 W	86": 137.68 W
Static contrast ratio	65": 4000:1 75": 5000:1 86": 1200:1	3000:1
Refresh rate	60 Hz	60 Hz
Viewing angle	178°	178°
Lifespan	>30,000 Hours	>30,000 Hours
Slot for PC	Yes	Yes
Input ports	3x HDMI In (1x Front, 2x Side)	3 x HDMI, (1 x Front, 2 x Side)
	2x Touch USB (1x Front, 1x Side)	3x Touch USB (1x Front, 2x Side)
	1x Audio In (3.5mm) / VGA Audio in	1x Audio In (3.5mm) / VGA Audio in
	1x Display Port	1x Display Port
	1x VGA In	1x VGA In
Output ports	1 x Audio Out (3.5mm)	1x Audio Out (3.5mm)
	1x S/PDIF Out	1x S/PDIF Out
	1x HDMI-Out	1x HDMI Out
Connectivity	2x USB type-C In with 4K Video, Audio, Network and Touch (1x Front 65W Power Delivery, 1x Side 15W Power Delivery)	2x USB type-C In with Video, Audio, Network and Touch (1x Front 65W Power Delivery, 1x Side)
	5x USB (2x 3.0 at Front, 2x 3.0 at Side, 1x 2.0 at Bottom)	5x USB (2x 3.0 at Front, 1x 3.0 at Side, 2x 2.0 at Side)
	2x RJ45 (Passthrough)	2x RJ45 (Passthrough)
	1x RS232 (DB-9 Connector)	1x RS232 (DB-9 Connector)
	Wi-Fi 6E on 2.4GHz/5GHz/6GHz	Wi-Fi 6E on 2.4GHz/5GHz/6GHz
	Bluetooth 5.3	Bluetooth 5.2
Product weight	65": 90.4 lbs	65": 80 lb
	75": 117.7 lbs	75": 108 lb
	86": 147 lbs	86": 118 lb
Speakers	2x 20W, front facing speakers with stereo output	2x 20W
Microphone	Optional wireless microphone with voice amplification and background noise reduction. Also supports 3rd party microphones	3rd party microphones only
Sensors	Ambient light, IR Sensor	Ambient light, IR Sensor
Optional sensors	Motion , Humidity, Temperature, TVOC, and Particulate Matter (PM 2.5) Detection, NFC	Humidity, Temperature, TVOC, and Particulate Matter (PM 2.5) Detection, NFC

Optional nfc card reader	Yes	Yes
Hardware optimized for card based push button notifications	Yes. Supports OneScreen Beacon Service	-
Surface protection	9H Hardness tempered glass (anti-glare and anti-fingerprint)	9H Hardness tempered glass
Operating System		
Operating system	Android 14 with EDLA Certification	Android 14 with EDLA Certification
CPU	Octa-core (4x A53 + 4x A72)	Quad-core (4x A73)
RAM	8 GB	8 GB
Storage	128 GB	64 GB
App store	Google Play Store	Google Play Store
Wireless screen sharing/mirroring	Yes	Yes
Over-the-air (OTA) updates	Yes	Yes
Google Play services	Yes	Yes
Touch		
Touch technology	Infrared (with zero bonding Gen 2)	Infrared (with zero bonding)
Points of touch supported	Up to 40 touch points (Both Windows and Android)	Up to 40 touch points
Supported operating systems for Touchscreen	Windows, Linux, Mac, Android, and Chrome OS	Windows, Linux, Mac, Android, and Chrome OS
Response time	65": < 6.5 ms 75" & 86": < 8ms	6.5 ms
Touch accuracy	1mm	1mm for 90% of screen area and 2mm around 10% of the edges
Accessories		
Stylus	2x Magnetic Stylus (antibacterial)	2x Stylus
Erasers	1x Whiteboard Magnetic Eraser	No
Cables	No	1x USB-C Cable
	1x Power Cable	1x Power Cable
	1x HDMI Cable (3840x2160 @ 60Hz)	1x HDMI Cable
	1x USB Touch Cable	1x USB Touch Cable
Remote control	1x	1x
Wall mount	Yes	Yes
Other Features		
Voice commands	Google Voice Assistant	Google Voice Assistant
Gesture control	Yes	Yes
Webcam input supported gestures to control touchscreen	Yes	No
Favorite apps shelf for quick access	Yes	Yes
AI-powered chatbot for assistance	Yes	No
Smart select for circle-to-search	Yes. Smart select option for quick and easy searching	No
Blue-light filter	Yes	No
Light/Dark mode	Yes	Yes
Customizable buttons on remote controller	Yes (3x Buttons)	No
Screen recording	Yes (Screen, Audio and Video)	Yes

Software

Screen Mirroring		
Included Software	OneScreen Share	CleverShare
Supported devices	Android, iOS, Mac, Windows, Linux and ChromeOS	Android, iOS, Mac, Windows, and ChromeOS
Maximum number of devices that can be shared simultaneously	9	9
Share device's screen using browser	Yes	No
Share image/video/document from device	Yes	Yes
Share device's camera feed (Play/Pause)	Yes	Yes
Floating window of shared screen on the interactive display	Yes	Yes
Share device's specific window only	Yes	Yes
Control other devices from the interactive display	Yes	Yes
Mirroring the interactive display to other devices	Yes	Yes
Control interactive display from other devices	Yes	Yes
Use mobile phone as a touchpad/remote for the interactive display	Yes	Yes
Teacher can launch/disconnect specific or all of the connected devices	Yes	Yes
Built-in annotation tool	Yes	Yes
Camera and Mic sharing over your personal device	Yes	Yes
Supports chromecast, airplay and miracast	Yes	Yes
Whiteboard		
Included Software	OneScreen Write	LYNX Whiteboard
Multi-point touch supported	32 touch points	20 touch points
Gesture recognition	Pinch in/out zoom in/out Palm erase	Pinch in/out zoom in/out Palm erase
Write on any source	Yes	Yes
Multiple types of writing tools	Yes	Yes
Pressure sensitive pen	-	Yes
Multi-colored pen	Yes	Yes
Draw shapes	Yes	Yes
Geometry tools	Yes	Yes
Shape recognition	Yes	Yes
Text recognition	Yes	Yes
Background	Preset Colors / Custom Images	Preset Colors / Custom Images
Pen / Finger detection	Yes	Yes
Pen type detection	Yes	Yes
Built-in periodic table	Yes	No
Built-in simulation exercises	Yes, Physics, Chemistry, Math, Earth Science, and Biology simulations for K-12 and University.	No
Repository of thousands of lessons for K-12	Yes	No
Insert advance formulas	Yes	No
File sharing over email	Yes	Yes
File sharing through QR code	Yes	Yes
File saving to cloud	Yes	Yes
Built-in browser	Yes	Yes
Drag and drop images from browser	Yes	Yes
Built-in live support	Yes	No

Personalized User Accounts		
Included Software	OneScreen Account	Users
Multiple accounts	Yes	Yes
Log in via Google/Microsoft account	Yes	No
Login with QR code	Yes	Yes
Google Drive/OneDrive integration	Yes	Yes
Home Page customization (wallpaper, widgets, my apps)	Yes	Yes
Cloud storage supported	Yes	Yes
Log in with NFC	Available through the optional sensor box upgrade	Available through the optional sensor box upgrade
Sync device settings and wall papers	Yes	Yes
Student Engagement Tool		
Included Software	OneScreen Engage	Classroom Essential Apps
Create polls	Yes	Yes
Allow students to vote from their personal devices	Yes	Yes
Student selector	Yes	Yes
Allow students to send messages to be displayed on the screen	Yes	Yes
Educational Software		
Included Software	Oktopus (Optional)	LYNX App
Dedicated subject based tools	Yes. (Math, Language, Geography, Chemistry, Physics etc.)	Yes
Lessons repository	Thousands of lessons designed for K-12 schools, designed as per curriculum of different states in USA	No
Lesson management system	Yes	Yes
Classroom collaboration supported	Yes	Yes
Subject based games	Yes	Yes
Collaboration devices OS supported	iOS, Android, MacOS, ChromeOS, Windows	iOS, Android, MacOS, ChromeOS, Windows
Device Administration		
Included Software	Admin Panel	Settings
USB Clone (Import/Export all the settings from one device to another)	Yes	No
Open default startup item	Yes	No
Kiosk Mode (set up any app/webpage as the default startup item)	Yes	No
Auto Remove files (delete selected type of files after particular interval)	Documents, Images, Audio, Videos, and Others	Yes
Disable USB device/port	Yes	Yes
Disable device Wi-Fi/Hotspot/Ethernet/Bluetooth	Yes	Yes
Generate and export debugging logs	Yes	No
Install CA certificates	Yes	Yes
AI-based Quiz Generation		
Included Software	OneScreen QuizWiz	N/A
Transform text into quiz automatically	Yes	No
AI-based MCQs generation	Yes	No
Export quiz to PDF format, text format, or copy to clipboard	Yes	No
Export quiz to Google Forms, LMS (Canvas, Schoology, Moodle, Blackboard), Quizlet, AirTable etc.	Yes	No
User accounts	Yes	No
Select quiz type (MCQs, Fill in the blanks, True or False)	Yes	No
Select quiz difficulty	Yes	No
Select number of questions generated	Yes	No
Save quizzes on account	Yes	No

Import content from Google Drive (Google Classroom)	Yes	No
Import content through web URL	Yes	No
Import content from an image (OCR)	Yes	No
Supports multiple languages	Yes	No
Translations. Transcriptions. Summaries		
Included Software	OneScreen Scribe	N/A
Live transcription of audio	Yes	No
Transcription summary	Yes	No
Live translation of transcripts	Yes	No
Instant AI-based Quiz Generation of transcription or translation	Yes	No
Option to save screen recording with transcription and translation	Yes	No
Topic navigation within transcription	Yes	No
Comprehensive lecture summary	Yes - including transcription, annotation, voice, on screen videos and documents.	No
Export translation or transcription with summary	Yes - as .doc, .txt or .pdf	No
K12 Educational Lessons/Content		
Included Software	OneScreen Lessn	LYNX Whiteboard
Lessons repository	Yes. Over 7000 lessons based on national and state standards for K12	No
Availability of multiple subjects	Yes - Math, English, Sciences, History, Geography	Yes - Math, English, Sciences, History
AI-powered lesson builder	Yes	Yes
Diverse content options in lessons	Yes - Images/Visuals, Class Activities, and Quiz Questions	Yes - Images/Visuals, Class Activities, and Quiz Questions
Option to export	Yes - Google Slides, PowerPoint Presentation	Yes
Hybrid Targeted Teaching & Learning		
Included Software	OneScreen Learning Hub	N/A
Give live video lessons	Yes	No
Share device's screen	Yes	No
Lesson recording	Yes (with audio, video, screen content and live captions)	No
Allow on-screen annotation over content	Yes	No
In-meeting polling options	Yes	No
Built-in shared notes	Yes	No
Built-in AI-based Quiz Generator	Yes	No
Generate URL for recorded lesson	Yes	No
Auto engagement scoring of remote students	Yes	No
Platforms supported for conferencing	Web-based - Android / iOS / Mac / Windows / Chrome OS / Linux	No
Integration with LMS software	Yes	No
Remote Device Management		
Included Software	OneScreen Central	Clevertouch Mobile Device Management
Set triggers and alerts	Yes	Yes
Track and lock devices	Yes	Yes
User status	Yes	Yes
Remotely control power options	Yes	Yes
Bulk install, delete and disable applications on multiple devices	Yes	Yes
Workflows	Yes	Yes
Push alerts, messages and announcements	Yes	Yes
Smart grouping by class or attributes	Yes	Yes
Messages to multiple recipients simultaneously	Yes	Yes

Account Management		
Included Software	OneScreen AMS	N/A
Remote creation and management of user accounts	Yes	No
Bulk creation of accounts	Yes	No
Integration with active directory	Yes	No
Multi-tier admin accounts	Yes	No
Panel management for accounts mode	Yes	No
Video Conferencing		
Included Software	OneScreen Hype (1 Year Subscription Included)	N/A
Multi-point video / audio call	Yes	No
Screen share and control	Yes	No
Multiple camera streams from single device	Yes	No
PSTN interoperability	Yes (dial-in only)	No
SIP Interoperability	Yes (dial-in only)	No
Shared whiteboard for in-meeting collaboration	Yes	No
In-meeting polling options	Yes	No
Platforms supported for conferencing	Mac / Windows / Linux	No
Live support	Yes, via video / audio / email / chat / phone	No
Third party conferencing apps supported (Meet, Teams, Zoom etc.)	Yes	Yes
Video Conferencing (for Business Customers)		
Included Software	OneScreen Beacon (Optional)	N/A
Types of push button notifications supported	Text messages, emails, and calls	No
Option to customize notifications	Yes	No
Details included in notification	Includes badge holder's name, location, date, and time	No
Support for multiple responders for notifications	Yes	No
Enable/Disable notifications for users	Yes	No
Built-in free, live, unlimited support	Yes	No
Support and Training		
24/5 Support	24/5 free, unlimited help and training available via email, chat, audio, video call and the GURU app.	Yes, online chat support, training videos, FAQs section
Live support within product	Live, free 24/5 GURU available support directly from our product interface and apps	No
Training	Yes. Free, unlimited online training with GURU	Yes (demos can be scheduled)
Warranty	3-Year Standard Warranty (5-Year Extendable) Advanced Hardware Replacement (Optional)	3-Year Standard Warranty -

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* The 98" Touchscreen Core's specifications are unique to this model and do not represent the Touchscreen Core series.