

Touchscreen Core vs Samsung

At a Glance



Feature	Touchscreen Core	Samsung Interactive Display WAF Series
Computing		
Processor	Octa-core (4x A53 + 4x A72)	Octa-core (4x A73 + 4x A53)
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 with 4K Video, Audio, Network and Touch (1x Front 65W Power Delivery, 1x Side 15W Power Delivery)	1x USB type-C In with 4K Video, Audio, Network and Touch (1x Front 65W Power Delivery)
HDMI ports	3x HDMI In, 1x HDMI Out	2x HDMI In, 1x HDMI Out
USB ports	5x USB (2x 3.0 at Front, 2x 3.0 at Side, 1x 2.0 at Bottom)	4x USB (2x 3.0 at Front, 2x 2.0 at Side)
Additional ports	1x VGA In port and 1x Display Port	-
Microphone	Optional wireless microphone with voice amplification and background noise reduction. Also supports 3rd party microphones	-
NFC card reader	Optional	-
Sensor box	Motion, Humidity, Temperature, TVOC, and Particulate Matter (PM 2.5) Detection, NFC	-
Audio	2x 20W Speakers	2x 15W Speakers
Display		
Brightness	Up to 400 cd/m ²	Up to 400 cd/m ²
Screen type	LED	LED
Surface protection	9H Hardness tempered glass (anti-glare and anti-fingerprint)	5H Hardness
Touch and Multi-tasking		
Points of touch supported	Up to 40 touch points (Both Windows and Android)	Up to 40 touch points (Both Windows and Android)
Palm rejection	Yes	-
Supported unique touch inputs	4 (Thin pen tip, Thick pen tip, Finger, Palm)	3 (Thin pen tip, Thick pen tip, Finger)
Invoke annotation mode automatically using pen	Yes	-
Multi-tasking features	Drag and drop split screen, Multi-window mode	Yes
Feature	Touchscreen Core	Samsung Interactive Display WAF Series
Screen mirroring software	OneScreen Share	Samsung Screen Share
Whiteboarding annotation software	OneScreen Write (Premium Features)	Samsung Whiteboard
Remote management	OneScreen Central	Device Management Solution
User accounts management	OneScreen AMS	-
AI-based quiz generation	OneScreen QuizWiz	-
Lesson builder and lesson repositories software	OneScreen Lessn	-
Hybrid targeted teaching & learning	OneScreen LearningHub	-
Transcribe, translate, summaries	OneScreen Scrybe	Samsung AI Assistant
Smart summary of multi-modal, on-screen content	OneScreen SuprNotes	Samsung AI Assistant
Push button notifications	OneScreen Beacon (Optional)	-

Larger Overview

Superior android version and computing power	Touchscreen Core offers more connectivity options through its superior hardware and double the storage capacity with 128GB, compared to 64GB in the Samsung WAF.
Robust ai-powered tools	Can generate quizzes, lessons, and notes through its AI-powered tools. Also allows centralized user management for staff and 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

Two full function USB-C ports with power delivery for device charging — single USB port on the Samsung WAF
More connectivity through more USB and HDMI ports and a VGA and Display Port
Wi-Fi 6E on the Core offers access to the 6 GHz band enabling up to 4x faster speeds and lower latency in high-density environments
9H surface protection offering double the scratch resistance and durability
An intuitive home screen and streamlined interface enable faster access and effortless navigation
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 and an advanced note taking tool
Offers thousands of pre-made lessons for grades K-12 and an AI-powered lesson builder
Supports NFC login and an array of environmental sensors with an optional sensor box
Includes OneScreen Beacon for real-time push notifications across multiple channels

Full Feature Comparison

Hardware

Description	Touchscreen Core	Samsung Interactive Display WAF Series
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	Up to 400 cd/m ²	Up to 400 cd/m ²
No. of colors	1.07 Billion	1.07 Billion
Power consumption (typical)	65": 185 W 75": 170 W 86": 230 W	65": 172 W 75": 215 W 86": 264 W
Static contrast ratio	65": 4000:1 75": 5000:1 86": 1200:1	65": 1200:1 75": 1200:1 86": 1200:1
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)		2x HDMI In (1x Front, 1x Side)
2x Touch USB (1x Front, 1x Side)		2x Touch USB (1x Front, 1x Side)
1x Audio In (3.5mm) / VGA Audio in		1x Audio In (3.5mm) / VGA Audio in
1x VGA		-
1x Display Port		-
1x OPS Slot		1x OPS Slot
Output ports		
1x 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)		1x USB type-C In with 4K Video, Audio, Network and Touch (1x Front 65W Power Delivery)
5x USB (2x 3.0 at Front, 2x 3.0 at Side, 1x 2.0 at Bottom)		4x USB (2x 3.0 at Front, 2x 2.0 at Side)
2x RJ45 (Passthrough)		2x RJ45 (Passthrough)
1x RS232 (DB-9 Connector)		1x RS232
Wi-Fi 6E on 2.4GHz/5GHz/6GHz		Wi-Fi 5 on 5GHz
Bluetooth 5.3		Yes (version not specified)
Product weight		
65": 90.4 lbs 75": 117.7 lbs 86": 147 lbs		65": 77.6 lbs 75": 107.8 lbs 86": 137.8 lbs
Speakers	2x 20W, front facing speakers with stereo output	2x 15W, front facing speakers with stereo output
Microphone	Optional wireless microphone with voice amplification and background noise reduction. Also supports 3rd party microphones	-
Sensors	Ambient light, IR Sensor	Ambient light, IR Sensor
Optional sensors	Motion, Humidity, Temperature, TVOC, and Particulate Matter (PM 2.5) Detection, NFC	-
Optional NFC card reader	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)	5H Hardness

Operating System

Operating system	Android 14 with EDLA Certification	Android 14 with EDLA Certification
CPU	Octa-core (4x A53 + 4x A72)	Octa-core (4x A73 + 4x A53)
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
Points of touch supported	Up to 40 touch points (Both Windows and Android)	Up to 40 touch points (Both Windows and Android)
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	≤5ms
Touch accuracy	1.5 mm	2 mm

Accessories

Stylus	2x Magnetic Stylus (antibacterial)	2x Magnetic Stylus
Erasers	1x Whiteboard Magnetic Eraser	-
Cables	1x Power Cable 1x HDMI Cable (3840x2160 @ 60Hz) 1x USB Touch Cable	1x Power Cable 1x HDMI Cable (3840x2160 @ 60Hz) 1x USB Touch Cable
Remote control	1x	1x
Wall mount	Yes	No (Optional purchase)

Other Features

Voice commands	Google Voice Assistant	Yes
Gesture control	Yes	Yes
Webcam input supported gestures to control Touchscreen	Yes	-
Favorite apps shelf for quick access	Yes	Yes
AI-powered chatbot for assistance	Yes	-
Smart select for circle-to-search	Yes. Smart select option for quick and easy searching	Yes. Smart select option for quick and easy searching
Blue-light filter	Yes	Yes
Light/Dark mode	Yes	Yes
Customizable buttons on remote controller	Yes (3x Buttons)	-
Accounts mode	Yes - Allows to toggle user sign-in only with a guest mode and admin mode for panel management	-
Screen recording	Yes (Screen, Audio and Video)	Yes (Screen, Audio and Video)

Software

Screen Mirroring		
Included Software	OneScreen Share	Screen Share
Supported devices	Android, iOS, Mac, Windows, Linux and ChromeOS	Android, iOS, Mac, Windows, Linux and ChromeOS
Maximum number of devices that can be shared simultaneously	9	9
Share device's screen using browser	Yes	Yes
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	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
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	Yes
Pen / Finger detection	Yes	Yes
Pen type detection	Yes	Yes
Built-in periodic table	Yes	Yes - full periodic table only
Built-in simulation excercises	Yes. Physics, Chemistry, Math, Earth Science, and Biology simulations for K-12 and University.	-
Repository of thousands of lessons for K-12	Yes	-
Insert advance formulas	Yes	Yes
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	-

Personalized User Accounts		
Included Software	OneScreen Account	Android User Accounts
Multiple accounts	Yes	Yes
Log in via Google/Microsoft account	Yes	-
Login with QR code	Yes	-
Google Drive/OneDrive integration	Yes	-
Home page customization (wallpaper, widgets, My apps)	Yes	Yes
Cloud storage supported	Yes	-
Log in with NFC	Available through the optional sensor box upgrade	-
Sync device settings and wall papers	Yes	Yes
Student Engagement Tool		
Included Software	OneScreen Engage	NA
Create polls	Yes	-
Allow students to vote from their personal devices	Yes	-
Student selector	Yes	-
Allow students to send messages to be displayed on the screen	Yes	-
Educational Software		
Included Software	Oktopus (Optional)	N/A
Dedicated subject based tools	Yes. (Math, Language, Geography, Chemistry, Physics etc.)	-
Lessons repository	Thousands of lessons designed for K-12 schools, designed as per curriculum of different states in USA	-
Lesson management system	Yes	-
Classroom collaboration supported	Yes	-
Subject-based games	Yes	-
Collaboration devices OS supported	iOS, Android, MacOS, ChromeOS, Windows	-
Device Administration		
Included Software	Admin Panel	NA
USB clone (import/export all the settings from one device to another)	Yes	NA
Open default startup item	Yes	NA
Kiosk mode (set up any app/webpage as the default startup item)	Yes	Yes (Through Device Management Solution)
Auto remove files (delete selected type of files after particular interval)	Documents, Images, Audio, Videos, and Others	NA
Disable USB device/port	Yes	NA
Disable device Wi-Fi/Hotspot/Ethernet/Bluetooth	Yes	Yes (Through Device Management Solution)
Generate and export debugging logs	Yes	Yes (Through Device Management Solution)
Install CA certificates	Yes	Yes
AI-based Quiz Generation		
Included Software	OneScreen QuizWiz	N/A
Transform text into quiz automatically	Yes	-
AI-based MCQs generation	Yes	-
Export quiz to PDF format, text format, or copy to clipboard	Yes	-
Export quiz to Google Forms, LMS (Canvas, Schoology, Moodle, Blackboard), Quizlet, AirTable etc.	Yes	-
User accounts	Yes	-
Select quiz type (MCQs, Fill in the blanks, True or False)	Yes	-
Select quiz difficulty	Yes	-
Select number of questions generated	Yes	-

Save quizzes on account	Yes	-
Import content from Google Drive (Google Classroom)	Yes	-
Import content through web URL	Yes	-
Import content from an image (OCR)	Yes	-
Supports multiple languages	Yes	-

Translations, Transcriptions, Summaries

Included Software	OneScreen Scrybe	AI Assistant
Live transcription of audio	Yes	Yes
Transcription summary	Yes	Yes
Live translation of transcripts	Yes	-
Instant AI-based Quiz Generation of transcription or translation	Yes	-
Option to save screen recording with transcription and translation	Yes	-
Topic navigation within transcription	Yes	Yes
Comprehensive lecture summary	Yes - including transcription, annotation, voice, on screen videos and documents.	Yes - including transcription and voice recording
Export translation or transcription with summary	Yes - as .doc, .txt or .pdf	Yes (Transcription only)

K-12 Educational Lessons/Content

Included Software	OneScreen Lessn	N/A
Lessons repository	Yes. Over 7000 lessons based on national and state standards for K12	-
Availability of multiple subjects	Yes - Math, English, Sciences, History, Geography	-
AI-powered lesson builder	Yes	-
Diverse content options in lessons	Yes - Images/Visuals, Class Activities, and Quiz Questions	-
Option to export	Yes - Google Slides, PowerPoint Presentation	-

Hybrid Targeted Teaching & Learning

Included Software	OneScreen Learning Hub	N/A
Give live video lessons	Yes	-
Share device's screen	Yes	-
Lesson recording	Yes (with audio, video, screen content and live captions)	-
Allow on-screen annotation over content	Yes	-
In-meeting polling options	Yes	-
Built-in shared notes	Yes	-
Built-in AI-based quiz generator	Yes	-
Generate URL for recorded lesson	Yes	-
Auto engagement scoring of remote students	Yes	-
Platforms supported for conferencing	Web-based - Android / iOS / Mac / Windows / Chrome OS / Linux	-
Integration with LMS software	Yes	-

Remote Device Management

Included Software	OneScreen Central	Device Management Solution
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	-
Bulk creation of accounts	Yes	-
Integration with active directory	Yes	-
Multi-tier admin accounts	Yes	-
Panel management for accounts mode	Yes	-
Video Conferencing (for Business Customers)		
Included Software	OneScreen Hypo (1 Year Subscription Included)	N/A
Multi-point video / audio call	Yes	-
Screen share and control	Yes	-
Multiple camera streams from single device	Yes	-
PSTN interoperability	Yes (dial-in only)	-
SIP interoperability	Yes (dial-in only)	-
Shared whiteboard for in-meeting collaboration	Yes	-
In-meeting polling options	Yes	-
Platforms supported for conferencing	Mac / Windows / Linux	-
Live support	Yes, via video / audio / email / chat / phone	-
Third party conferencing apps supported (Meet, Teams, Zoom etc.)	Yes	-
Push Button Notifications		
Included Software	OneScreen Beacon (Optional)	N/A
Types of push button notifications supported	Text messages, emails, and calls	-
Option to customize notifications	Yes	-
Details included in notification	Includes badge holder's name, location, date, and time	-
Support for multiple responders for notifications	Yes	-
Enable/Disable notifications for users	Yes	-
Built-in free, live, unlimited support	Yes	-

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	-
Training	Yes. Free, unlimited online training with GURU	Yes (demo can be scheduled)
Warranty	3-Year Standard Warranty (5-Year Extendable) Advanced Hardware Replacement (Optional)	3-Year Standard Warranty (7-Year Extendable) No

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