

# Touchscreen T7 vs Samsung

## At a Glance



Feature	OneScreen T7	Samsung WAC Series	Samsung WAD Series
<b>Computing</b>			
Processor	Octa-core (4x A76 + 4x A55)	Quad-core (4x A55)	Quad-core (4x A55)
RAM	8 GB	4 GB	8 GB
Storage	128 GB	32 GB	64 GB
<b>Device OS</b>			
Operating system	Android 15	Android 11	Android 13
Google EDLA-certified	Yes	No	Yes
<b>Hardware</b>			
Microphone	Built-in 8-mic array with noise reduction. Also supports external mics.	Support for external mics	Support for external mics
Type C ports	3x Type-C In (upto 100W), 1x Type-C Out	1x Type-C In (upto 65W)	1x Type-C In (upto 65W)
HDMI ports	4x HDMI In, 1x HDMI Out	3x HDMI In, 1x HDMI Out	3x HDMI In, 1x HDMI Out
Response time	< 2.5ms	≤ 8ms	≤ 8ms
Sensors	Ambient light, IR Sensor	Ambient light, IR Sensor	Ambient light, IR Sensor
Optional sensors	Motion, Humidity, Temperature, TVOC, and Particulate Matter (PM 2.5) Detection	No	No
NFC card reader	Yes, with NFC-based user login support	No	No
Audio	2x 20W Speakers, 1x 25W Subwoofer	2x 12W Speakers	2x 15W Speakers
<b>Touch and multi-tasking</b>			
Points of touch supported	Upto 50 touch points	Upto 40 touch points	Upto 40 touch points
Palm rejection	Yes	No	No
Pressure sensitivity for touch	Yes	No	No
Supported unique touch inputs	4 (Thin pen tip, Thick pen tip, finger, palm/erasers)	3 (Thin pen tip, Thick pen tip/finger, palm/erasers)	3 (Thin pen tip, Thick pen tip/finger, palm/erasers)
Invoke annotation mode automatically using pen	Yes	No	No
Software	OneScreen T7	Samsung WAC Series	Samsung WAD Series
<b>Whiteboard &amp; annotation</b>			
Perpetual OneScreen Write license	Perpetual license of Note app	Perpetual license of Note app	Perpetual license of Note app
Advanced annotation tools, screen recording, object recognition	Annotation tools, screen recording	Annotation tools, screen recording	Annotation tools, screen recording
<b>Screen sharing</b>			
Up to 9 users simultaneously	Up to 9 users simultaneously	Up to 9 users simultaneously	Up to 9 users simultaneously
<b>Video conferencing</b>			
Free 1st year license of OneScreen Hype	No	No	No
<b>Learning management</b>			
OneScreen LearningHub	No	No	No
<b>AI-based Quiz Generation Tool</b>			
Free 1st year license of OneScreen QuizWiz	No	No	No
<b>Device Management Solution</b>			
Free 1st year license of OneScreen Central	Free 1st year license of Device Management Solution	Free 1st year license of Device Management Solution	Free 1st year license of Device Management Solution
Live closed captions with one-click summarization and translation	Free 1st year license of OneScreen Scrybe	No	No
Personalized user accounts	Yes. Supports login using QR code and NFC cards	Yes. Supports login using QR code	Yes. Supports login using QR code
Push button notifications	OneScreen Beacon*	No	No

\*OneScreen Beacon runs through specialized Beacon cards that need to be purchased separately

# Key Advantages

Android OS and EDLA	The OneScreen T7 and Samsung WAD run on Android 15 with EDLA certification. This ensures a smooth experience with Google apps, Play Store access, and automatic security updates.
Central processor	Samsung WAC Series is based on Android 11 and is not Google EDLA certified restricting integration with the Google ecosystem and security updates.
Central processor	T7 boasts a faster 8-core processor for smoother workflows and a more modern interface delivering 2.6x faster processing power compared to Samsung's Quad-core processor for both the WAD and WAC.
Touch improvements	T7 offers a sophisticated touch experience with enhanced accuracy for pen, finger, and thick pen inputs. Additionally, its pressure-sensitive pen and palm rejection provide a natural writing feel. The T7 also supports up to 50 touch points while Samsung supports up to 40 touch points. A response time of 2.5ms makes the T7 far more responsive than the Samsung panel that has a response time of 8ms.
Audio	OneScreen T7 boasts a more powerful audio system with 20W speakers and a 25W subwoofer, delivering richer sound. It also features an 8-microphone array for clear audio recording and communication, eliminating the need for external microphones. Samsung features two 15W speakers for WAD series and two 12W speakers for WAC series with no in-built microphone hence users need to connect an external microphone for video conferencing and transcription.
Priority alerts	OneScreen T7 comes with a free one-year subscription of OneScreen Beacon, our priority notification service. With two quick clicks of a button, badge holders can trigger real-time alerts of their location. Priority contact(s) are notified of who triggered the alert and their current location via email, text message and phone call so they may respond with assistance.
AI-applications	The T7 provides AI tools for educators and users from every industry and even takes AI a step further. It can generate quizzes from various sources, capture and analyze student engagement, and record lessons/meetings with features like closed captions and screen sharing. It even offers real-time speech transcription, translation, and summarization directly on the screen. This is particularly beneficial for diverse classrooms and teams with varying needs. However, the Samsung panel does not have such features.
On-screen annotations	Both T7 and Samsung offer intuitive annotation tools. However, the T7 introduces a unique "pen-to-annotate" mode. Simply picking up the stylus allows users to start writing directly on the screen and enter annotation mode. The pen's side acts as an eraser as your fingers navigate the screen. The Samsung panel on the other hand, requires manual mode switching.
Ports	The T7 comes with 3x USB-C In and 1x USB-C Out port while Samsung has 1x USB-C In and no USB-C Out port. The T7 also has a higher maximum power delivery (100W vs. 65W for Samsung) for charging user devices. The T7 has 4x HDMI In ports and an HDMI Out port while Samsung has 3x HDMI In and an HDMI Out port.
Support & training	All OneScreen solutions include our OneScreen GURU service, the industry's only FREE, LIVE support and training solution for everyone, with our highly trained engineers at the helm. GURU is available 24/5 for immediate help, support and troubleshooting via email, chat, audio or video call, the GURU app, or through one-click access across a suite of OneScreen hardware and software solutions. You can easily schedule training sessions, as many as you need, at a time that works for you.
Additional sensors	In addition to the ambient light (supports automatic brightness adjustment) and IR sensors, the T7 supports an optional sensor box that detects motion and air quality, specifically, humidity, temperature, TVOC and Particulate Matter (PM 2.5). These help monitor the environmental conditions and air quality as well as help save energy costs by automatically putting the display to sleep when no users are in the room. The Samsung WAC and WAD have ambient light sensors only which they term as Eco Sensors in conjunction with an IR Sensor.
Summary	Both OneScreen T7, Samsung WAC and WAD excel in their own right, addressing various use cases in classrooms, boardrooms, and conference rooms. However, the T7 with the inclusion of AI based software that allows closed captions and translation, priority alerts, and quiz generation aids classrooms as well as businesses.

# Full Feature Comparison

## Hardware

Description	OneScreen T7	Samsung WAC Series	Samsung WAD Series
<b>Display and Sound</b>			
Screen sizes	65" / 75" / 86"	65" / 75" / 86"	65" / 75" / 86"
Screen type	LED	LED	LED
Resolution	4K Ultra HD, 3840 (H) x 2160 (V)	4K Ultra HD, 3840 (H) x 2160 (V)	4K Ultra HD, 3840 (H) x 2160 (V)
Aspect ratio	16:9	16:9	16:9
Brightness	65": 420 cd/m <sup>2</sup> 75" and 86": 450 cd/m <sup>2</sup>	390 cd/m <sup>2</sup>	400 cd/m <sup>2</sup>
No. of colors	1.07 billion	1.07 billion	1.07 billion
Power consumption (typical)	65": 200 W 75": 285 W 86": 315 W	65": 200 W 75": 200 W 86": 290 W	65": 385 W 75": 385 W 86": 486 W
Static contrast ratio	5000:1	1200:1	1200:1
Refresh rate	60 Hz	60 Hz	60 Hz
Viewing angle	178°	178°	178°
Lifespan	>30,000 Hours	>30,000 Hours	>50,000 Hours
Slot for PC	Yes	Yes	Yes
Input ports	4x HDMI In (1x front, 3x Side)	3x HDMI In	3x HDMI In
	2x Touch USB (Side)	2x Touch USB	2x Touch USB
	1x Audio In (3.5mm) / VGA Audio in	1x Audio In (3.5mm)	1x Audio In (3.5mm)
	1x Display Port	No	No
	No	1x RGB Port	1x RGB Port
Output ports	1x OPS Slot	1x OPS Slot	1x OPS Slot
	1x Audio Out (3.5mm)	1x Audio Out (3.5mm)	1x Audio Out (3.5mm)
	1x S/PDIF Out	No	No
	1x HDMI-Out	1x HDMI-Out	1x HDMI-Out
Connectivity	3x USB Type-C In with 4K 60Hz Video, Audio and Touch (1x Front 100W Power Delivery, 1x Side 15W Power Delivery, 1x Top Snap In Port for Camera)	1x USB Type-C In (65W Power Delivery)	1x USB Type-C In (65W Power Delivery)
	1x USB Type-C Out (Video, Audio, Touch, and Network)	No	No
	5x USB (2x 3.0 at Front, 2x 3.0 at Side, 1x 2.0 at Side)	5x USB (4x 3.0, 1x 2.0)	5x USB (4x 3.0, 1x 2.0)
	2x RJ45 (Passsthrough)	2x RJ45	2x RJ45
	1x RS232 (DB-9 Connector)	1x RS232	1x RS232
Product weight	Wi-Fi 6 on 2.4GHz/5GHz	Wi-Fi 6 on 2.4GHz/5GHz	Wi-Fi 6 on 2.4GHz/5GHz
	Bluetooth 5.2	Bluetooth 5.2	Bluetooth 5.0
	65": 84 lbs	65": 76.7 lbs	65": 74.58 lbs
	75": 112 lbs	75": 102.3 lbs	75": 100.1 lbs
	86": 138.8 lbs	86": 124.6 lbs	86": 124.3 lbs
Speakers	2x 20W, front facing speakers with stereo output	2x 12W speakers	2x 15W speakers
Subwoofer	1x 25W	No	No

Built-in microphone	Built-in 8-microphone array with noise reduction	No	No
Sensors	Ambient light, IR Sensor	Ambient light, IR Sensor	Ambient light, IR Sensor
Optional sensors	Motion , Humidity, Temperature, TVOC, and Particulate Matter (PM 2.5) Detection	No	No
NFC card reader	Yes, with NFC-based user login support	No	No
Hardware optimized for card based priority notification	Yes. Supports OneScreen Beacon Service.	No	No
Surface protection	9H Hardness tempered glass (anti-glare and anti-fingerprint)	Tempered glass	Tempered glass
<b>Operating System</b>			
Operating system	Android 15 with EDLA Certification	Android 11	Android 13 with EDLA Certification
CPU	Octa-core (4x A76 + 4x A55)	Quad-core (4x A55)	Quad-core (4x A55)
RAM	8 GB	4 GB	8 GB
Storage	128 GB	32 GB	64 GB
App Store	Google Play Store	No	Google Play Store
Wireless screen sharing/mirroring	Yes	Yes	Yes
Over-the-Air (OTA) updates	Yes	Yes	Yes
Google Play services	Yes	No	Google Play Store
<b>Touch</b>			
Touch technology	Infrared (with zero bonding Gen 2)	Infrared	Infrared
Points of touch supported	Up to 50 touch points (OS dependent)	40	40
Supported operating systems for touchscreen	Windows, Linux, Mac, Android, and Chrome OS	Windows, Linux, Mac, Android, and Chrome OS	Windows, Linux, Mac, Android, and Chrome OS
Response time	< 2.5 ms	≤ 8 ms	≤ 8ms
<b>Accessories</b>			
Stylus	2x Magnetic Stylus (antibacterial)	2x Magnetic Stylus	2x Magnetic Stylus
Erasers	1x Whiteboard Magnetic Eraser	No	No
	1x Power Cable	1x Power Cable	1x Power Cable
Cables	1x HDMI Cable (3840x2160 @ 60Hz)	1x HDMI Cable	1x HDMI Cable
	1x USB Touch Cable	1x USB Touch Cable	1x USB Touch Cable
Remote control	1x	1x	1x
Wall mount	Yes (VESA Standard)	Yes (VESA Standard)	Yes (VESA Standard)
Built-in camera	No	No	No
<b>Other Features</b>			
Voice commands	Google Voice Assistant	No	Google Voice Assistant
Display modes for multiple screens	Yes (Duplicate or extend screen on Android OS with touch support on other touchscreens)	No	Yes (Duplicate or Extend Screen on Android OS with touch support on other touchscreens)
Gesture control	Yes	Yes	Yes
Webcam input supported gestures to control touchscreen	Yes	No	No
Favorite apps shelf for quick access	Yes	Yes	Yes
AI-powered Chatbot for assistance	Yes	No	No
Light/Dark mode	Yes	No	Yes
Customizable buttons on remote controller	Yes (3x Buttons)	No	No
Screen recording	Yes (Screen, Audio and Video)	Yes (Screen, Audio and Video)	Yes (Screen, Audio and Video)

# Software

Screen Mirroring			
Included Software	OneScreen Share	Samsung Screen Share	Samsung Screen Share
Supported devices	Android, iOS, Mac, Windows, Linux and ChromeOS	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	9
Share device's screen using browser	Yes	Yes	Yes
Share Image/Video/Document from device	Yes	Yes	Yes
Share device's camera feed (Play/Pause)	Yes	Yes	Yes
Floating window of shared screen on the interactive display	Yes	Yes	Yes
Share device's specific window only	Yes	Yes	Yes
Control other devices from the interactive display	Yes	Yes	Yes
Mirroring the interactive display to other devices	Yes	Yes	Yes
Control interactive display from other devices	Yes	Yes	Yes
Use mobile phone as a touchpad/remote for the interactive display	Yes	Yes	Yes
Teacher can launch/disconnect specific or all of the connected devices	Yes	Yes	Yes
Built-in annotation tool	Yes	Yes	Yes
Camera and Mic sharing over your personal device	Yes	Yes	Yes
Supports Chromecast, Airplay and Miracast	Yes	Yes	Yes
Annotation Software (Android)			
Included Software	OneScreen Write	Note	Note
Multi-point touch supported	32 touch points	32 touch points	32 touch points
Gesture recognition	Pinch in/out zoom in/out Palm erase	Pinch in/out zoom in/out Palm erase	Pinch in/out zoom in/out Palm erase
Write on any source	Yes	Yes	Yes
Multiple types of writing tools	Yes	Yes	Yes
Pressure sensitive Pen	Yes	No	No
Multi colored Pen	Yes	Yes	Yes
Draw shapes	Yes	Yes	Yes
Geometry tools	Yes	Yes	Yes
Shape recognition	Yes	Yes	Yes
Text recognition	Yes	Yes	Yes
Background	Preset colors / Custom images	Preset colors / Custom images	Preset colors / Custom images
Pen / Finger detection	Yes	No	Yes
Pen Type detection	Yes	Yes	Yes
File sharing over Email	Yes	Yes	Yes
File sharing through QR code	Yes	Yes	Yes
File saving to cloud	Yes	Yes	Yes
Built-in browser	Yes	Yes	Yes
Drag and drop images from browser	Yes	Yes	Yes
Built-in live support	Yes	No	No

Personalized User Account			
Included Software	OneScreen Account	Accounts	Accounts
Multiple accounts	Yes	Yes	Yes
Log in via Google/Microsoft account	Yes	Yes	Yes
Log in with QR code	Yes	Yes	Yes
Google Drive/OneDrive integration	Yes	Yes	Yes
Home page customization (wallpaper, widgets, My apps)	Yes	Yes	Yes
Cloud storage supported	Yes	Yes	Yes
Log in with NFC	Yes	No	No
Sync device settings and wall papers	Yes	Yes	Yes
Student Engagement Tool			
Included Software	OneScreen Class	Air Class	Air Class
Create polls	Yes	Yes	Yes
Allow students to vote from their personal devices	Yes	Yes	Yes
Student selector	Yes	Yes	Yes
Allow students to send messages to be displayed on the screen	Yes	Yes	Yes
Educational Software			
Included Software	Oktopus (Optional)	N/A	N/A
Dedicated subject-based tools	Yes. (Math, Language, Geography, Chemistry, Physics etc.)	No	No
Lessons repository	Thousands of lessons designed for K-12 schools, designed as per curriculum of different states in USA	No	No
Lesson management system	Yes	No	No
Classroom collaboration supported	Yes	No	No
Subject-based games	Yes	No	No
Collaboration devices OS supported	iOS, Android, MacOS, ChromeOS, Windows	No	No
Device Administration			
Included Software	Admin Panel	Settings	Settings
USB clone (Import/Export all the settings from one device to another)	Yes	Yes	Yes
Open default startup item	Yes	Yes	Yes
Kiosk mode (set up any app/webpage as the default startup item)	Yes	Yes	Yes
Auto remove files (delete selected type of files after particular interval)	Documents, Images, Audio, Videos, and Others	Documents, Images, Audio, Videos, and Others	Documents, Images, Audio, Videos, and Others
Disable USB device/port	Yes	Yes	Yes
Disable device Wi-Fi/Hotspot/Ethernet/Bluetooth	Yes	Yes	Yes
Generate and export debugging logs	Yes	Yes	Yes
Install CA certificates	Yes	Yes	Yes

AI-based Quiz Generation Tool			
Included Software	OneScreen QuizWiz	N/A	N/A
Transform text into quiz instantaneously	Yes	No	No
AI-based MCQs generation	Yes	No	No
Export quiz to PDF format	Yes	No	No
Export quiz to Google Classroom	Yes	No	No
User accounts	Yes	No	No
Hybrid Targeted Teaching & Learning			
Included Software	OneScreen LearningHub	Only available via third-party apps	Only available via third-party apps
Give live video lessons	Yes	No	No
Share device's screen	Yes	No	No
Lesson recording	Yes (with audio, video, screen content and live captions)	No	No
Allow on-screen annotation over content	Yes	No	No
In-meeting polling options	Yes	No	No
Built-in shared notes	Yes	No	No
Built-in AI-based quiz generator	Yes	No	No
Generate URL for recorded lesson	Yes	No	No
Auto engagement scoring of remote students	Yes	No	No
Platforms supported for conferencing	Web-based - Android / iOS / Mac / Windows / Chrome OS / Linux	No	No
Integration with LMS software	Yes	No	No
User status	Yes	Yes	Yes
Video Conferencing			
Included Software	OneScreen Hype (1-Year Subscription Included)	N/A	N/A
Multi-point video / audio call	Yes	No	No
Screen share and control	Yes	No	No
Multiple camera streams from single device	Yes	No	No
PSTN interoperability	Yes (dial-in only)	No	No
SIP interoperability	Yes (dial-in only)	No	No
Shared whiteboard for in-meeting collaboration	Yes	No	No
In-meeting polling options	Yes	No	No
Platforms supported for conferencing	Mac / Windows / Linux	No	No
Live support	Yes, via video / audio / email / chat / phone	No	No
Third-party conferencing apps supported (Meet, Teams, Zoom etc.)	Yes	Yes	Yes
Remote Management			
Included Software	OneScreen Central	Device Management Solution	Device Management Solution
Set triggers and alerts	Yes	Yes	Yes
Track and lock devices	Yes	Yes	Yes
User status	Yes	Yes	Yes
Remotely control power options	Yes	Yes	Yes
Bulk install, delete and disable applications on multiple devices	Yes	Yes	Yes
Workflows	Yes	Yes	Yes
Push alerts, messages and announcements	Yes	Yes	Yes
Smart grouping by class or attributes	Yes	Yes	Yes
Messages to multiple recipients simultaneously	Yes	Yes	Yes

Annotation Software (Windows/Mac)			
Included Software	OneScreen Annotation & Whiteboarding Software	N/A	N/A
Multi-point touch supported	10 touch points	No	No
Gesture recognition	Pinch in/out zoom in/out Palm erase	No	No
Write on any app/window	Yes	No	No
Built-in image search engine	Yes	No	No
Shape recognition	Yes	No	No
Text recognition	Yes	No	No
Screen recording for whiteboard session with audio recording	Yes	No	No
Screen capture tools	Yes	No	No
Support for annotating on various formats	Yes	No	No
Closed Captions and Lesson Summaries			
Included Software	OneScreen Scrybe	N/A	N/A
Live audio transcription	Yes	No	No
Transcription summary	Yes	No	No
Live translation of transcripts	Yes	No	No
Priority Notifications			
Included Software	OneScreen Beacon	N/A	N/A
Types of priority notifications supported	Text messages, emails, and calls	No	No
Details included in notification	Includes badge holder's name, location, date, and time	No	No
Support for multiple responders for notifications	Yes	No	No
Enable/Disable notifications for users	Yes	No	No
Built-in free, live, unlimited support	Yes	No	No
Support and Training			
Support	Live, free 24/5 GURU support available via email, chat, phone, video, audio and the GURU app	Yes, online chat support, training videos, FAQs section	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	No
Training	Yes. Free, unlimited online training with GURU	Yes (demo can be scheduled)	Yes (demo can be scheduled)
Warranty	3-Year Standard Warranty (5-Year Extendable)	3-Year Standard Warranty (5-Year Extendable)	3-Year Standard Warranty (5-Year Extendable)
	Advanced Hardware Replacement (Optional)	No	No

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