

Touchscreen T7 vs TL7

At a Glance



Feature	Touchscreen T7	Touchscreen TL7
Computing		
Processor	Octa-core (4x A76 + 4x A55)	Quad-core (4x A55)
NPU	6 TOPS	2.6 TOPS
Storage	128 GB	68 GB
Device OS		
Operating system	Android 15	Android 11
Google EDLA-certified	✓	✗
Hardware		
Microphone	Built-in 8-microphone array with noise reduction	Supports external mics
Type-C ports	3x USB Type-C In with 4K 60Hz Video, Audio and Touch (1x Front 100W Power Delivery, 1x Side, 1x Top Port for Camera)	1x Type-C In (up to 65W)
HDMI ports	4x HDMI In, 1x HDMI Out	3x HDMI In, 1x HDMI Out
VGA ports	No	1x VGA In
Touch sensitivity	1 mm	1.5 mm
NFC card reader	✓ With NFC-based user login support	✗
Audio	2x 20 W Speakers, 1x 25W Subwoofer	2x 16 W Speakers
Touch and multi-tasking		
Points of touch supported	Up to 50 touch points (OS dependent)	Up to 40
Pressure sensitivity for touch	✓	✗
Palm rejection	✓	✗
Invoke annotation mode automatically using pen	✓	✗
Multi-tasking features	Drag & drop split screen, multi-window mode	Multi-window mode
Software		
Live closed captions with one-click summarization and translation	Free 1st year license of OneScreen Scribe	✗
Personalized user accounts	✓ Supports login using QR code and NFC cards	✗
Push button notifications	OneScreen Beacon*	✗

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

Key Advantages

Android OS and EDLA	T7 running on Android 15 OS with the EDLA certification excels in the Google ecosystem and provides integration with native Google apps support, access to Play store and automatic security updates. TL7 comes with Android 11 and focuses on simplicity and flexibility, offering browser-based access to Google services and multiple connectivity options.
Central processor	T7 boasts a faster 8-core processor for smoother workflows and a more modern interface delivering 2.6x faster processing power. TL7 is equipped with a 4-core processor and is perfectly capable for essential tasks and offers a familiar user experience. Both deliver clear and vibrant visuals on their large displays.
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. TL7 provides a reliable standard touchscreen experience suitable for general use.
Audio	T7 features an upgraded audio system with 20W speakers and a subwoofer that delivers richer sound, while its 8-microphone array supports clear audio recording and communication without the need for external mics. TL7 features high-quality 16W speakers, adequate for everyday use.
Priority alerts	OneScreen T7 ships with OneScreen Beacon NFC cards that have a priority notifications button on them. The OneScreen Beacon application is installed on OneScreen T7. The button on Beacon badges can be used to notify contacts (defined by the user) via phone, email and text containing the location, time, person's information alongside their badge number. This feature is not available on TL7.
AI-applications	Both T7 and TL7 equip educators with powerful AI tools that generate quizzes from various sources, boost student engagement with capture and analysis tools, and record lessons with closed captions, video, and shared screen. However, T7 takes AI a step further, offering real-time speech transcription, translation, and summarization directly on the screen. This unique feature aids diverse classrooms and caters to personalized learning needs.
On-screen annotations	Both T7 and TL7 offer intuitive annotation tools. However, T7 introduces a unique "pen-to-annotate" mode. Simply pick up the stylus and start writing directly on the screen to enter annotation mode instantly. The stylus pen is used for inking and erasing, while fingers can be used for navigating the screen. While on screen annotations have to be manually invoked on TL7, both T7 and TL7 provide convenient ways to capture ideas and collaborate visually.
Ports	TL7 supports VGA input so it is useful for customers with legacy devices. It comes with 1x USB-C input port as well for connecting USB-C based devices. The T7 comes with 3x USB-C In ports, and 1x USB-C Out port for connecting devices and other touchscreens with the product.
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.
Summary	Both OneScreen T7 and TL7 excel in their own right, addressing various use cases in classrooms, boardrooms, and conference rooms. The T7 boasts additional features like enhanced touch, audio and native support for the Google ecosystem and is priced at a premium when compared to the TL7. Moreover, the inclusion of AI-based software that allows closed captions (with translation) and priority alerts aids classrooms as well as businesses. The TL7 shines with its with its affordability and focus on essential functionalities.

Full Feature Comparison

Hardware

Description	Touchscreen T7	Touchscreen TL7
Display and Sound		
Screen sizes	65" / 75" / 86"	55" / 65" / 75" / 86" / 98" / 105"
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	65": 420 cd/m² 75" and 86": 450 cd/m²	400 cd/m²
No. of colors	1.07 billion	1.07 billion
Power consumption (typical)	65": 200 W 75": 285 W 86": 315 W	55": 160 W 65": 200 W 75": 300 W 86": 350 W
Static contrast ratio	5000:1	1200:1
Refresh rate	60 Hz	60 Hz
Viewing angle	178°	178°
Lifespan	>30,000 Hours	>30,000 Hours
Slot for PC	✓	✓
Input ports	4x HDMI In (1x Front, 3x Side)	3x HDMI In (1x Front & 2x Side)
	2x Touch USB (Side)	2x Touch USB (1x Front & 1x Side)
	1x Audio In 3.5 mm	1x Audio In 3.5 mm / VGA Audio In
	✗	1x VGA In (Side)
	1x Display Port	✗
	1x OPS Slot	1x OPS Slot
Output ports	1x Audio Out (3.5 mm)	1x Audio Out (3.5 mm)
	1x S/PDIF Out	1x S/PDIF 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, 1x Top Port for Camera)	1x USB Type-C 4K 60 Hz (65W Power Delivery)
	1x USB Type-C Out (Video, Audio, Touch, and Network)	✗
	5x USB (2x 3.0 at Front, 2x 3.0 at Side, 1x 2.0 at Side)	5x USB (2x 3.0 at Front, 2x 3.0 at Side, 1x 2.0 at Side)
	2x RJ45 (Pass through)	2x RJ45 (Pass through)
	1x RS232 (DB-9 Connector)	1x RS232 (DB-9 Connector)
	Wi-Fi 6E on 2.4GHz/5GHz/6GHz	Wi-Fi 6 on 2.4GHz/5GHz
	Bluetooth 5.3	Bluetooth 5.2
Product weight	65": 85.3 lbs 75": 112 lbs 86": 138.8 lbs	55": 57.5 lbs 65": 77.1 lbs 75": 104.3 lbs 86": 129.1 lbs
Speakers	2x 20 W, front facing speakers with stereo output	2x 16 W, front facing speakers with stereo output
Subwoofer	1x 25 W	✗
Microphone	Built-in 8-microphone array with noise reduction	✗
Sensors	Ambient light, IR Sensor	Ambient light, IR Sensor
Optional sensors	Motion , Humidity, Temperature, TVOC, and Particulate Matter (PM 2.5) Detection, NFC	✗
NFC card reader	✓ With NFC-based user login support	✗

Hardware optimized for card-based priority notification	✓	✗
Gesture control	✓	✗
Surface protection	9H Hardness tempered glass (anti-glare and anti-fingerprint)	9H Hardness tempered glass (anti-glare and anti-fingerprint)
Operating System		
Operating system	Android 15 with EDLA Certification	Android 11
CPU	Octa-core (4x A76 + 4x A55)	Quad-core (4x A55)
RAM	8 GB	8 GB
Storage	128 GB	64 GB
App Store	Google Playstore	OneScreen Store
Wireless screen Sharing/Mirroring	✓	✓
Over-the-Air (OTA) updates	✓	✓
Google Play services	✓	✗
Touch		
Touch technology	Infrared (with zero bonding Gen 2)	Infrared (with zero bonding Gen 2)
Points of touch supported	Up to 50 touch points (OS dependent)	Up to 40 touch points (OS dependent)
Supported operating systems for touchscreen	Windows, Linux, Mac, Android, and ChromeOS	Windows, Linux, Mac, Android, and ChromeOS
Response time	< 2.5 ms	≤ 7 ms
Touch accuracy	1 mm	1.5 mm
Accessories		
Stylus	2x Magnetic Stylus (antibacterial)	2x Magnetic Stylus (antibacterial)
Erasers	1x Whiteboard Magnetic Eraser	✗
Cables	1x Power Cable	1x Power Cable
	1x HDMI Cable (3840x2160 @ 60Hz)	1x HDMI Cable (3840x2160 @ 60Hz)
	1x USB Touch Cable	1x USB Touch Cable
	✗	1x USB Type-C Cable
Remote control	1x	1x
Wall mount	✓ VESA Standard	✓ VESA Standard
Built-in camera	✗	✗
Other Features		
Voice commands	Google Voice Assistant	✗
Display modes for multiple screens	✓ Duplicate or Extend Screen on Android OS with touch support on other touchscreens	✓ (Duplicate Screen on Android OS with no touch support)
Gesture control	✓	✓
Webcam input supported gestures to control touchscreen	✓	✗
Favorite apps shelf for Quick Access	✓	✗
AI-powered Chatbot for assistance	✓	✗
Circle-to-search	✓	✗
Blue-light filter	✓	✗
Light/Dark mode	✓	✗
Customizable buttons on remote controller	✓ 3x Buttons	✗
Accounts mode	✓ Allows to toggle authorized user sign-in only with a guest mode and admin mode for panel management	✗
Screen recording	✓ Screen, Audio and Video	✓ Screen, Audio

Software

Screen Mirroring		
Included Software	OneScreen Share	OneScreen Share
Supported devices	Android, iOS, Mac, Windows, Linux and Chrome OS	Android, iOS, Mac, Windows, Linux and Chrome OS
Maximum number of devices that can be shared simultaneously	30	9
Share device's screen using browser	✓	✓
Share Image/Video/Document from device	✓	✓
Share device's camera feed (Play/Pause)	✓	✓
Floating window of shared screen on the interactive display	✓	✓
Share device's specific window only	✓	✓
Control other devices from the interactive display	✓	✓
Mirroring the interactive display to other devices	✓	✓
Control interactive display from other devices	✓	✓
Use mobile phone as a Touchpad/Remote for the interactive display	✓	✓
Teacher can launch/disconnect specific/all of the connected devices	✓	✓
Built-in annotation tool	✓	✓
Camera and microphone sharing over your personal device	✓	✓
Supports Chromecast, Airplay and Miracast	✓	✓
Annotation Software (Android)		
Included Software	OneScreen Write	OneScreen Write
Multi-point touch supported	32 touch points	32 touch points
Gesture recognition	Pinch in/out, Zoom in/out, Palm erase	Pinch in/out, Zoom in/out, Palm erase
Write on any source	✓	✓
Multiple types of writing tools	✓	✓
Pressure sensitive Pen	✓	✗
Multi colored Pen	✓	✓
Draw shapes	✓	✓
Geometry tools	✓	✓
Shape recognition	✓	✓
Text recognition	✓	✓
Background	Preset colors / Custom images	Preset colors / Custom images
Pen / Finger detection	✓	✗
Pen type detection	✓	✓
File Sharing over Email	✓	✓
File sharing through QR code	✓	✓
File saving to cloud	✓	✓
Built-in browser	✓	✓
Drag and drop images from browser	✓	✓
Built-in live support	✓	✓

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

Save quizzes on account	✓	✓
Import content from Google Drive (Google Classroom)	✓	✓
Import content through web URL	✓	✓
Import content from an image (OCR)	✓	✓
Supports multiple languages	✓	✓
Remote Management		
Included Software	OneScreen Control	OneScreen Central
Set triggers and alerts	✓	✓
Track and lock devices	✓	✓
User status	✓	✓
Remotely control power options	✓	✓
Bulk install, delete and disable applications on multiple devices	✓	✓
Workflows	✓	✓
Push alerts, messages and announcements	✓	✓
Smart grouping by class or attributes	✓	✓
Messages to multiple recipients simultaneously	✓	✓
Remotely view or control the device's screen	✓	✓
Push settings and apps to each user account inside the device	✓	✓
Update firmware updates over-the-air (OTA)	✓	✓
Install security certificates (VPN, Apps, and Wi-Fi)	✓	✓
Annotation Software (Windows/Mac)		
Included Software	OneScreen Annotation & Whiteboarding Software	OneScreen Annotation & Whiteboarding Software
Multi-point touch supported	10 touch points	10 touch points
Gesture recognition	Pinch in/out, Zoom in/out, Palm erase	Pinch in/out, Zoom in/out, Palm erase
Write on any app/window	✓	✓
Built-in image search engine	✓	✓
Shape recognition	✓	✓
Text recognition	✓	✓
Screen Recording for whiteboard session with audio recording	✓	✓
Screen capture tools	✓	✓
Support for annotating on various formats	✓	✓

Closed Captions and Lesson Summaries

Included Software	OneScreen Scribe	N/A
Live audio transcription	✓	×
Transcription summary	✓	×
Live translation of transcripts	✓	×

Priority Notifications

Included Software	OneScreen Beacon (Optional)	NA
Types of priority notifications supported	Text messages, emails, and calls	×
Option to customize notifications	✓	×
Details included in notification	Includes badge holder's name, location, date, and time	×
Support for multiple responders for notifications	✓	×
Enable/Disable notifications for users	✓	×
Built-in free, live, unlimited support	✓	×

Support and Training	Touchscreen T7	Touchscreen TL7
Support	Live, free 24/5 GURU support available via email, chat, phone, video, audio and the GURU app	Live, free 24/5 GURU support available via email, chat, phone, video, audio and the Guru app
Live support within product	Live, free 24/5 GURU available support directly from our product interface and apps	Live, free 24/5 GURU available support directly from our product interface and apps
Training	Yes. Free, unlimited online training with GURU	Yes. Free, unlimited online training with GURU
Warranty	3-Year Standard Warranty (5-Year Extendable) Advanced Hardware Replacement (Optional)	3-Year Standard Warranty (5-Year Extendable) Advanced Hardware Replacement (Optional)

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