

# Touchscreen T7 vs Newline

## At a Glance



Feature	Touchscreen T7	Newline Q Pro	Newline Z Pro
<b>Computing</b>			
Processor	Octa-core (4x A76 + 4x A55)	Octa-core (4x A73 + 4x A53)	Octa-core (4x A73 + 4x A53)
RAM	8 GB	8 GB	8 GB
Storage	128 GB	64 GB	64 GB
<b>Device OS</b>			
Operating system	Android 15	Android 14	Android 13
Google EDLA-certified	Yes	Yes	Yes
<b>Hardware</b>			
Type C ports	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)	3x USB Type-C In (1x Front 65W Power Delivery, 1x Side No Power Delivery, 1x Top Snap In Port for Camera)	3x Type-C (1x Side 100W Power Delivery, 1x Side No Power Delivery, 1x Top Snap In Port for Camera))
HDMI ports	4x HDMI In, 1x HDMI Out	3x HDMI In, 1x HDMI Out	3x 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 (1x 3.0 at Front, 2x 3.0 at Side, 1x 3.0 to Android at Side)	4x USB 3.0 Type A (3x Public, 1x Android)
Microphone	Built-in 8-microphone array with noise reduction	Optional microphone array for desk tops. Also support 3rd party microphones	Built-in 8 array microphone with echo cancellation and noise reduction
NFC Card reader	Yes	No	No
Optional sensors	Motion, Humidity, Temperature, TVOC, and Particulate Matter (PM 2.5) Detection, NFC	No	No
Audio	2x 20W Speakers with 25W Subwoofer	2x 20W, front-facing speakers	2x 20W, front-facing speakers
<b>Display</b>			
Brightness (maximum)	65": 420 cd/m <sup>2</sup> 75" and 86": 450 cd/m <sup>2</sup>	400 cd/m <sup>2</sup>	400 cd/m <sup>2</sup>
Screen type	LED	LED	LED
<b>Touch and Multi-tasking</b>			
Points of touch supported	Up to 50 touch points (OS dependent)	Up to 40 touch points (Both Windows and Android)	20 on Android, 40 on Windows
Palm rejection	Yes	Yes	Yes
Supported unique touch inputs	4 (Thin pen tip, Thick pen tip, finger, palm)	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	No	No
Software	Touchscreen T7	Newline Q Pro	Newline Z Pro
Screen mirroring software	OneScreen Share	Newline Cast/Broadcast	Newline Cast/Broadcast
Whiteboarding annotation software	OneScreen Write	Newline Whiteboard/Newline Engage Cloud	Newline Whiteboard/Newline Engage Cloud
Remote management	OneScreen Control by default; OneScreen Central (Radix backboned MDM) optional	Newline Device Management	Newline Device Management
User accounts management	OneScreen AMS	No	No
AI-based Quiz Generation Tool	OneScreen QuizWiz	Newline Engage Cloud	Newline Engage Cloud
Lesson builder and Lesson repositories software	OneScreen Lessn	Newline Engage Cloud + Activity House	Newline Engage Cloud + Activity House
Hybrid-targeted teaching & learning	OneScreen LearningHub	Newline Engage Cloud	Newline Engage Cloud
Closed captions and lesson summaries	OneScreen Scrybe	No	No
Convert recorded lessons into notes and handouts	OneScreen Suprnotes	No	No
Push button notifications	OneScreen Beacon*	No	No

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

## Larger Overview

Superior specs and hardware	With a more powerful processor, brighter panel (450 cd/m <sup>2</sup> vs 400 cd/m <sup>2</sup> ), higher USB power delivery, and higher 9H surface hardness, the OneScreen T7 clearly edges out the Newline panels in terms of hardware.
Robust AI-powered tools	OneScreen stands out with its comprehensive AI-based software suite and tools, a category in which the Newline panels have no notable comparable offering.
24/5 Free, live support and 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

The latest version of Android 15 with double the storage (64 GB vs. 128GB) future-proofs your investment while being more secure
More powerful, full function USB-C ports with up to 100W of power delivery for device charging with an additional USB-C port at the top for a snap-in camera
An intuitive home screen and streamlined interface enable faster access and effortless navigation
Includes premium features inside its whiteboard — including subject based simulations, a periodic table, and lesson repository
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 an array of environmental sensors with an optional sensor box
Comes with user accounts management software (AMS) for user and NFC cards management
Includes OneScreen Beacon for real-time push notifications across multiple channels

# Full Feature Comparison

## Hardware

Description	Touchscreen T7	Newline Q Pro	Newline Z Pro
<strong>Display and Sound</strong>			
Screen sizes	65" / 75" / 86"	55" / 65" / 75" / 86" / 98"	55" / 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>	400 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	Information not available	Information not available
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	>30,000 Hours
Slot for PC	Yes	Yes	Yes
Input ports	4x HDMI In (1x Front, 3x Side)	3x HDMI In (1x Front, 2x Side)	3x HDMI In
	2x Touch USB (Side)	4x Touch USB (1x Front, 3x Side)	4x Touch USB
	1x Audio In 3.5mm	1x Audio In 3.5mm	1x Audio In 3.5mm
	1x Display Port	1x Display Port	1x Display Port
	1x OPS Slot	1x OPS Slot	1x OPS Slot
Output ports	1x Audio Out (3.5mm)	1x Audio Out (3.5mm)	1x Audio Out (3.5mm)
	1x S/PDIF Out	1x S/PDIF Out	1x S/PDIF Out
	1x HDMI Out	1x HDMI Out	1x HDMI Out
Connectivity	3x USB Type-C In with 4K 60Hz Video, Audio, File Transfer, Network Sharing, and Touch (1x Front 100W Power Delivery, 1x Side 15W Power Delivery, 1x Top Snap In Port for Camera)	3x USB Type-C In (1x Front 65W Power Delivery, 1x Side No Power Delivery, 1x Top Snap In Port for Camera)	3x USB Type-C In (1x 100W Power Delivery, 1x Side, 1x Top Snap In Port for Camera)
	1x USB Type-C Out (Video, Audio, Touch, File Transfer and Network)	-	-
	5x USB (2x 3.0 at Front, 2x 3.0 at Side, 1x 2.0 at Side)	4x USB (1x 3.0 at Front, 2x 3.0 at Side, 1x 3.0 to Android at Side)	4x USB (1x 3.0 at Front, 2x 3.0 at Side, 1x 3.0 to Android at Side)
	2x RJ45 (Passthrough)	2x RJ45 (Passthrough)	2x RJ45 (Passthrough)
	1x RS232 (DB-9 Connector)	1x RS232 (DB-9 Connector)	1x RS232 (DB-9 Connector)
	Wi-Fi 6 on 2.4GHz/5GHz	Wi-Fi 6 on 2.4GHz/5GHz	Wi-Fi 6 on 2.4GHz/5GHz
Product weight	Bluethooth 5.2	Bluethooth 5.2	Bluethooth 5.2
	65": 84 lbs 75": 112 lbs 86": 138.8 lbs	55": 69.4 lbs 65": 85.9 lbs 75": 114.6 lbs 86": 143.3 lbs 98": 238 lbs	55": 61.7 lbs 65": 110.2 lbs 75": 123.5 lbs 86": 149.9 lbs
	2x 20W, front facing speakers with stereo output	2x 20W, front-facing speakers	2x 20W, front-facing speakers
Subwoofer	1x 25W	No	1x 15W
Built-in Microphone	Built-in 8-microphone array with noise reduction	No	Built-in 8-microphone array

Sensors	Ambient light, IR Sensor	IR Sensor	IR Sensor, Proximity 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 push button notifications	Yes. Supports OneScreen Beacon Service	No	No
Surface protection	9H Hardness tempered glass (anti-glare and anti-fingerprint)	8H Hardness tempered glass (anti-glare, anti-fingerprint and anti-microbial)	7H Hardness tempered glass (anti-glare, anti-fingerprint and anti-microbial)
<b>Operating System</b>			
Operating system	Android 15 with EDLA Certification	Android 14 with EDLA Certification	Android 13 with EDLA Certification
CPU	Octa-core (4x A76 + 4x A55)	Octa-core (4x A73 + 4x A53)	Octa-core (4x A73 + 4x A53)
RAM	8 GB	8 GB	8 GB
Storage	128 GB	64 GB (expandable to 128 GB)	64 GB (expandable to 128 GB)
App store	Google Play Store	Google Play Store	Google Play Store
Wireless screen sharing/mirroring	Yes	Yes	Yes
Over-the-Air (OTA) updates	Yes	Yes	Yes
Google play services	Yes	Yes	Yes
<b>Touch</b>			
Touch technology	Infrared (with zero bonding Gen 2)	Infrared	PCAP
Points of touch supported	Up to 50 touch points (OS dependent)	Up to 40 touch points (OS dependent)	Up to 40 touch points (OS dependent)
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	< 2.5ms	≤ 8ms	≤ 8ms
Touch accuracy	1 mm	2mm	Information not available
<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
	1x HDMI Cable (3840x2160 @ 60Hz)	1x HDMI Cable	1x HDMI Cable
Cables	1x USB Touch Cable	1x USB Touch Cable	1x USB Touch Cable
	1x USB-C Cable	1x USB-C Cable	1x USB-C Cable
Remote control	1x	1x	1x
Wall mount	Yes (VESA Standard)	Yes (VESA Standard)	Yes (VESA Standard)
<b>Other Features</b>			
Voice commands	Google Voice Assistant / Gemini	Google Voice Assistant / Gemini	Google Voice Assistant / Gemini
Display modes for multiple screens	Yes (Duplicate or extend screen on Android OS with touch support on other touchscreens)	No	No
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	Yes	-
Circle-to-search	Yes	Yes	Yes
Blue-light filter	Yes	Yes	Yes
Light/Dark mode	Yes	No	No
Customizable buttons on remote control	Yes (3x Buttons)	No	No
Accounts mode	Yes - Allows to toggle authorized user sign-in only with a guest mode and admin mode for panel management	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	Newline Cast / Newline Broadcast	Newline Cast / Newline Broadcast
Supported devices	Android, iOS, Mac, Windows, Linux and Chrome OS	Android, iOS, Mac, Windows, and Chromebook	Android, iOS, Mac, Windows, and Chromebook
Maximum number of devices that can be shared simultaneously	30	4	4
Share device's screen using browser	Yes	Yes	Yes
Screensharing across a different network	Yes	No	No
Screen sharing over the internet	Yes (Optional Upgrade)	No	No
Share Image/Video/Document from device	Yes	No	No
Share device's Camera feed (Play/Pause)	Yes	No	No
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	No	No
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	No	No
Camera, Mic, and Speaker sharing over your personal device	Yes	Yes	Yes
Supports Chromecast, Airplay, Miracast, and DLNA	Yes	Yes	Yes
Whiteboard			
Included Software	OneScreen Write	Newline Whiteboard	Newline Whiteboard
Multi-point touch supported	32 touch points	40 touch points	20 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 (Annotation Mode)	Yes (Annotation Mode)
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	Any Color / Preset Images	Any Color / Preset Images
Pen / Finger detection	Yes	No	Yes
Pen type detection	Yes	Yes	Yes
Built-in periodic table	Yes	No	No
Built-in simulation excercises	Yes. Physics, Chemistry, Math, Earth Science, and Biology simulations for K-12 and University.	No	No
Repository of thousands of lessons for K-12	Yes	No	No
Insert advance formulae	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 Accounts

Included Software	OneScreen Account	Accounts	Accounts
Multiple accounts	Yes	Yes	Yes
Log in via Google/Microsoft account	Yes	Yes	No
Log in with QR Code	Yes	Yes	No
Google Drive/OneDrive integration	Yes	No	No
Home page customization (wallpaper, widgets, My apps)	Yes	Yes	Yes
Cloud storage supported	Yes	No	No
Log in with NFC	Yes	No	No
Sync device settings and wallpapers	Yes	No	No

## Student Engagement Tool

Included Software	OneScreen Engage	Newline Engage Cloud	Newline Engage Cloud
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( Answers sent to teachers, displaying is upto the teacher)	Yes( Answers sent to teachers, displaying is upto the teacher)

## Educational Software

Included Software	Oktopus (Optional)	Oktopus (Optional)	Oktopus (Optional)
Dedicated subject-based tools	Yes. (Math, Language, Geography, Chemistry, Physics etc.)	Yes. (Math, Language, Geography, Chemistry, Physics etc.)	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	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	Yes	Yes	Yes
Classroom collaboration supported	Yes	Yes	Yes
Subject-based games	Yes	Yes	Yes
Collaboration devices OS supported	iOS, Android, MacOS, ChromeOS, Windows	iOS, Android, MacOS, ChromeOS, Windows	iOS, Android, MacOS, ChromeOS, Windows

## Device Administration

Included Software	Admin Panel	Security Settings	Security Settings
USB clone (import/export all the settings from one device to another)	Yes	Yes	Yes
Open default startup item	Yes	No	No
Kiosk mode (set up any app/webpage as the default startup item)	Yes	No	No
Auto-remove files (delete selected type of files after particular interval)	Documents, Images, Audio, Videos, and Others	Only screenshots	Only screenshots
Disable USB device/port	Yes	Yes	Yes
Disable device Wi-Fi/Hotspot/Ethernet/Bluetooth	Yes	No	No
Generate and export debugging logs	Yes	No	No
Install CA certificates	Yes	Yes	Yes

AI-based Quiz Generation Tool			
Included Software	OneScreen QuizWiz	Merlyn AI (pre-integrated)	N/A
Transform text into quiz instantaneously	Yes	Yes	No
AI-based MCQs generation	Yes	Yes	No
Export quiz to PDF format, text format, or copy to clipboard	Yes	PDF supported	No
Export quiz to Google Forms, LMS (Canvas, Schoology, Moodle, Blackboard), Quizlet, AirTable etc.	Yes	Only Google Forms	No
User accounts	Yes	Yes	No
Select quiz type (MCQs, Fill in the blanks, True or False)	Yes	AI needs instructions	No
Select quiz difficulty	Yes	AI needs instructions	No
Select number of questions generated	Yes	AI needs instructions	No
Save quizzes on account	Yes	Yes	No
Import content from Google Drive (Google Classroom)	Yes	Yes	No
Import content through web URL	Yes	No	No
Import content from an image (OCR)	Yes	No	No
Supports multiple languages	Yes	Yes	No
Translations. Transcriptions. 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
Instant quiz generation of transcription or translation	Yes	No	No
Option to save screen recording with transcription and translation	Yes	No	No
Topic navigation within transcription	Yes	No	No
Comprehensive lecture summary	Yes - including transcription, annotation, voice, on-screen videos and documents.	No	No
Export translation or transcription with summary	Yes - as .doc, .txt or .pdf	No	No
K-12 Educational Lessons/Content			
Included Software	OneScreen Lessn	N/A	N/A
Repository of thousands of pre-made lessons for grades K-12	Yes	No	No
Availability of Multiple Subjects	Yes - Math, English, Sciences, History, Geography	No	No
AI-powered Lesson Builder	Yes	No	No
Diverse content options in lessons	Yes - Images/Visuals, Class Activities, and Quiz Questions	No	No
Option to Export	Yes - Google Slides, PDF, PowerPoint Presentation	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

Remote Device Management			
Included Software	OneScreen Control	Newline Display Management	Newline Display Management
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
Remotely view or control the device's screen	Yes	Yes	Yes
Push settings and apps to each user account inside the device	Yes	Yes	Yes
Update firmware updates over-the-air (OTA)	Yes	Yes	Yes
Install security certificates (VPN, Apps, and Wi-Fi)	Yes	Yes	Yes
Account Management			
Included Software	OneScreen AMS	N/A	N/A
Remote creation and management of user accounts	Yes	No	No
Bulk creation of accounts	Yes	No	No
Integration with active directory	Yes	No	No
Multi-tier admin accounts	Yes	No	No
Panel management for accounts mode	Yes	No	No
Video Conferencing (for Business Customers)			
Included Software	OneScreen Hypo (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
Push Button Notifications			
Included Software	OneScreen Beacon (Optional)	N/A	N/A
Types of push button notifications supported	Text messages, emails, and calls	No	No
Option to customize notifications	Yes	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, via email / call	Yes, via email / call
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 (demos can be scheduled)	Yes (demos can be scheduled)
Warranty	3-Year Standard Warranty (5-Year Extendable) Advanced Hardware Replacement (Optional)	3-Year Standard Warranty Information not available	3-Year Standard Warranty Information not available

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