

Touchscreen Titan vs Newline

At a Glance



Feature	Touchscreen Titan	Newline Z Pro	Newline Q Pro Elite
Computing			
Processor	Octa-core (4x A76 + 4x A55)	Octa-core (4x A73 + 4x A53)	Octa-core (4x A76 + 4x A55)
RAM	16 GB	8 GB	16 GB
Storage	128 GB	64 GB	256 GB
Device OS			
Operating system	Android 15	Android 13	Android 15
Google EDLA-certified	✓	✓	✓
Display			
Brightness (maximum)	1200 cd/m ²	400 cd/m ²	400 cd/m ²
Screen type	Mini-LED with local dimming	LCD (Direct LED Backlight)	LCD (Direct LED Backlight)
Hardware			
Type-C ports	3x Type-C In with 4K Video, Audio, Network and Touch (1x Front 100W, 1x Side, 1x Top)	3x Type-C In (1x Front 100W, 1x Side, 1x Top)	3x Type-C In (1x Front 100W, 1x Side, 1x Top)
Type-C out port	1x USB Type-C Out (Video, Audio, Touch, and Network)	×	1x USB Type-C Out (Video, Audio, Touch, and Network)
HDMI ports	4x HDMI In (1x Front, 3x Side), 1x HDMI-Out	3x HDMI In, 1x HDMI-Out	3x HDMI In, 1x HDMI-Out
USB ports	5x (2x USB 3.0 at Front, 2x USB 3.0 at Side, 1x 2.0 at Side)	4x USB 3.0 Type A (3x Public, 1x Android)	4x USB 3.0 Type A (3x Public, 1x Android)
Microphone	Built-in 8-array microphone with noise reduction	Built-in 8-array microphone with echo cancellation and noise reduction	Built-in 8-array microphone with echo cancellation and noise reduction
NFC card reader	✓ With NFC-based user login support	×	✓ With NFC-based user login support
Optional sensors	Motion , Humidity, Temperature, TVOC, and Particulate Matter (PM 2.5) Detection, NFC	×	×
Audio	2x 20W Speakers with 25W Subwoofer	2x 20W Speakers with 15W Subwoofer	2x 25W Speakers with 20W Subwoofer
Touch and Multi-tasking			
Points of touch supported	50	20 on Android, 40 on Windows	50
Palm rejection	✓	✓	✓
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	✓	×	×
Multi-tasking features	Drag and drop split screen, Multi-window mode	Initiate split-screen mode from quick settings Multi-window mode	Initiate split-screen mode from quick settings Multi-window mode

Software	Touchscreen Titan	Newline Z Pro	Newline Q Pro Elite
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 Display Management	Newline Display Management
User accounts management	OneScreen AMS	×	×
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
Closed captions and lesson summaries	OneScreen Scribe	×	×
Convert recorded lessons into notes and handouts	OneScreen SuprNotes	×	×
Push button notifications	OneScreen Beacon*	×	×

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

Larger Overview

Superior android version and computing power	Featuring the newer, more secure, and future-ready Android 15, Touchscreen Titan outpaces the Newline Z Pro that comes with Android 13. It also has a swifter processor, ensuring smoother workflows.
Brighter display with stronger contrast	Titan's mini-LED display offers more precise backlight control than LED, delivering deeper contrast, brighter highlights, more energy saving, and consistently superior picture quality
Robust AI-powered tools	OneScreen stands out with its comprehensive AI-based software suite and tools, a category in which the Newline Z Pro has 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, the GURU app, or through one-click access across a suite of OneScreen hardware and software solutions.

Key Advantages

Android 15 that future-proofs your investment while being more secure
Compared to the Newline Z Pro, Touchscreen Titan has double the RAM (16 GB vs. 8 GB) and storage (128 GB vs. 64 GB), which let you multi-task and store more data seamlessly
More HDMI and USB ports make it a powerhouse for collaboration
Generates captions, translations, summaries — all with AI and voice input
Classroom and business friendly AI tools including live transcription, translation, summaries, chatbot and smart selection features
Includes an AI chatbot, advanced note taking tool, and a circle-to-search option
Allows single tap login using its built-in NFC reader
Includes account management software for centralized control of user accounts and NFC cards management
Includes OneScreen Beacon for real-time push notifications across multiple channels

Full Feature Comparison

Hardware

Description	Touchscreen Titan	Newline Z Pro	Newline Q Pro Elite
Display and Sound			
Screen sizes	65", 75", 86"	55", 65", 75", 86"	65", 75", 86"
Screen type	Mini-LED with local dimming	LCD (Direct LED Backlight)	LCD (Direct LED Backlight)
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
Maximum brightness	1200 cd/m²	400 cd/m²	400 cd/m²
No. of colors	1.07 Billion colors	1.07 Billion colors	1.07 Billion colors
Power consumption (typical)	65": 160W 75": 225W 86": 265W	Information not available	<=550W
Static contrast ratio	80000:1	4000:1	4000:1
Refresh rate	60 Hz	60 Hz	60 Hz
Viewing angle	178"(H/V)	178"(H/V)	178"(H/V)
Lifespan	>30,000 Hours	>30,000 Hours	>30,000 Hours
Slot for PC	✓	✓	✓
Input ports	4x HDMI In (1x Front, 3x Side)	3x HDMI In	3x HDMI In
	2x Touch USB	4x Touch USB	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 TF Card Slot (up to 512 GB)	1x TF Card Slot	✗
	1x OPS Slot	1x OPS Slot	1x OPS Slot
Output ports	1x Audio Out (3.5mm)	1x Audio Line Out	1x Audio Line Out
	1x S/PDIF Out	1x S/PDIF	1x S/PDIF
	1x HDMI-Out	1x HDMI-Out	1x HDMI-Out
Connectivity	3x Type-C In with 4K Video, Audio, Network and Touch (1x Front 100W, 1x Side, 1x Top)	3x Type-C with 4K Video, Audio, Network and Touch (1x Side 100W, 1x Side, 1x Top)	3x Type-C with 4K Video, Audio, Network and Touch (1x Side 100W, 1x Side, 1x Top)
	1x USB Type-C Out (Video, Audio, Touch, and Network)	✗	1x USB Type-C Out (Video, Audio, Touch, and Network)
	5x (2x USB 3.0 at Front, 2x USB 3.0 on the Side, 1x USB 2.0 on the Side)	4x USB 3.0 Type A (3x Public, 1x Android)	4x USB 3.0 Type A (3x Public, 1x Android)
	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 6E (2.4 Ghz / 5 Ghz / 6 GHz)	Wi-Fi 6 (2.4 Ghz / 5 Ghz)	Wi-Fi 6 (2.4 Ghz / 5 Ghz)
	Bluetooth 5.3	Bluetooth 5.2	Bluetooth 5.2
Product weight	65": 88.2 lbs 75": 114.6 lbs 86": 143.3 lbs	55": 61.7 lbs 65": 110.2 lbs 75": 123.5 lbs 86": 149.9 lbs	65": 85.9 lbs 75": 113.5 lbs 86": 142.2 lbs
Speakers	2x 20W Built-in speakers	2x 20W Built-in speakers	2x 25W Built-in speakers
Subwoofer	1x 25W	1x 15W, for 65" and above	1x 20W
Microphone	Built-in 8-array microphone with noise reduction	Built-in 8-array microphone with echo cancellation and noise reduction	Built-in 8-array microphone with echo cancellation and noise reduction
Sensors	Ambient light, IR Sensor, Color temperature sensor	Proximity Sensor, IR Sensor	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	✗	✓ With NFC-based user login support
Hardware optimized for card based push button notifications	✓ Supports OneScreen Beacon service	✗	✗
Surface protection	9H Hardness tempered glass (anti-glare and anti-fingerprint)	9H Hardness tempered glass (anti-glare, anti-fingerprint and anti-microbial)	9H Hardness tempered glass (anti-glare, anti-fingerprint and anti-microbial)
Operating System			
Operating system	Android 15 with EDLA	Android 13 with EDLA	Android 15 with EDLA
CPU	Octa-core (4x A76 + 4x A55)	Octa-core (4x A73 + 4x A53)	Octa-core (4x A76 + 4x A55)
RAM	16 GB	8 GB	16 GB
Storage	128 GB	64 GB	256 GB
App Store	Google Play Store	Google Play Store	Google Play Store
Over-the-Air (OTA) updates	✓	✓	✓
Google Play services	✓	✓	✓
Touch			
Touch technology	Infrared (with zero bonding Gen 2)	Projective Capacitive (PCAP) with Optical Bonding	Infrared (with zero bonding)
Points of touch supported	50	20 on Android, 40 on Windows	50
Supported operating systems for touchscreen	Windows, Linux, Mac, Android, and ChromeOS	Windows, Mac, Android, and ChromeOS	Windows, Mac, Android, and ChromeOS
Response time	<2.5 ms	8 ms	6.5 ms
Touch accuracy	1 mm	Information not available	Information not available
Accessories			
Stylus	2x Magnetic Stylus (antibacterial)	2x Stylus	2x Stylus
Erasers	1x Whiteboard Magnetic Eraser	✗	✗
Cables	1x Power Cable	1x Power Cable	1x Power Cable
	1x HDMI Cable (3840x2160 @ 60Hz)	1x HDMI Cable	1x HDMI Cable
	1x USB C Cable	1x USB-C Cable	1x USB-C Cable
	1x USB Touch Cable	1x USB Touch Cable	1x USB Touch Cable
Remote control	1x	1x	1x
Wall mount	✓	✓	✓
Other Features			
Voice commands	Google Voice Assistant / Gemini	Google Voice Assistant	Google Voice Assistant
Gesture control	✓	✓	✓
Webcam Input supported gestures to control Touchscreen	✓	✗	✗
Favorite apps shelf for quick access	✓	✓	✓
AI-powered chatbot for assistance	✓	✗	✗
Circle-to-Search	✓ Smart select option for quick and easy searching	✗	✗
Blue-light filter	✓	✓	✓
Light/Dark mode	✓	✓	✓
Customizable buttons on remote controller	✓ 3x Buttons	✗	✗
Accounts mode	✓ Allows toggling authorized user sign-in only with a guest mode and admin mode for panel managment	✗	✗
Screen recording	✓ Screen, Audio and Video	✓ Screen, Audio and Video	✓ 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 ChromeOS	Android, iOS, Mac, Windows, and ChromeOS	Android, iOS, Mac, Windows, and ChromeOS
Maximum number of devices that can be shared simultaneously	30	4	4
Share device's screen using browser	✓	✓	✓
Screen sharing across a different network	✓	✗	✗
Screen sharing over the internet	✓ Optional Upgrade	✗	✗
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	✓	✓ Newline Broadcast	✓ Newline Broadcast
Control interactive display from other devices	✓	✓	✓
Use mobile phone as a touchpad/remote for the interactive display	✓	✓	✓
Teacher can launch/disconnect specific or all of the connected devices	✓	✓	✓
Built-in Annotation tool	✓	✓	✓
Camera and Mic sharing over your personal device	✓	✓	✓
Supports Chromecast, Airplay and Miracast	✓	✓	✓
Whiteboard			
Included Software	OneScreen Write	Newline Whiteboard	Newline Whiteboard
Multi-point touch supported	32 touch points	20 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	✓	✓ Annotation Mode	✓ Annotation Mode
Multiple types of writing tools	✓	✓	✓
Multi-colored Pen	✓	✓	✓
Draw shapes	✓	✓	✓
Geometry tools	✓	✓	✓
Shape recognition	✓	✓	✓
Text recognition	✓	✓	✓
Background	Preset Colors / Custom Images	Any Color / Preset Images	Any Color / Preset Images
Pen/Finger detection	✓	✓	✓
Pen type detection	✓	✓	✓
Built-in periodic table	✓	✗	✗
Built-in simulation exercises	✓ Physics, Chemistry, Math, Earth Science, and Biology simulations for K-12 and University.	✗	✗
Repository of thousands of lessons for K-12	✓	✗	✗
Insert advanced formulae	✓	✗	✗
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 Accounts			
Included Software	OneScreen Account	Accounts	Accounts
Multiple accounts	✓	✓	✓
Log in via Google/Microsoft account	✓	×	×
Login 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	Newline Engage Cloud	Newline Engage Cloud
Create polls	✓	✓	✓
Allow students to vote from their personal devices	✓	✓	✓
Student selector	✓	✓	✓
Allow students to send messages to be displayed on the screen	✓	✓	✓
Educational Software			
Included Software	Oktopus (Optional)	Newline Engage Cloud, Activity House (on Windows OPS)	Newline Engage Cloud, Activity House (on Windows OPS)
Dedicated subject-based tools	✓ Math, Language, Geography, Chemistry, Physics etc.	✓ 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. (Engage Cloud) Over 650 Pre-K to Grade 5 lessons and activities (Activity House)	Thousands of lessons designed for K-12 schools. (Engage Cloud) Over 650 Pre-K to Grade 5 lessons and activities (Activity House)
Lesson management system	✓	✓	✓
Classroom collaboration supported	✓	✓	✓
Subject-based games	✓	✓	✓
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)	✓	✓	✓
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, and Others	Only screenshots	Only screenshots
Disable USB device/port	✓	✓	✓
Disable device Wi-Fi/Hotspot/Ethernet/Bluetooth	✓	×	×
Generate and export debugging logs	✓	×	×
Install CA certificates	✓	✓	✓

AI-based Quiz Generation			
Included Software	OneScreen QuizWiz	Newline Engage Cloud	Newline Engage Cloud
Transform text into quiz instantaneously	✓	×	×
AI-based MCQs generation	✓	User has to type in their questions and answers	User has to type in their questions and answers
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)	✓	✓ Extra question types with Form Factory.	✓ Extra question types with Form Factory.
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	✓	✓	✓
Translations. Transcriptions. Summaries			
Included Software	OneScreen Scribe	N/A	N/A
Live audio transcription	✓	×	×
Transcription summary	✓	×	×
Live translation of transcripts	✓	×	×
Instant AI-based quiz generation of transcription or translation	✓	×	×
Option to save screen recording with transcription and translation	✓	×	×
Topic navigation within transcription	✓	×	×
Comprehensive lecture summary	✓ Including transcription, annotation, voice, on-screen videos and documents	×	×
Export translation or transcription with summary	✓ As .doc, .txt or .pdf	×	×
K-12 Educational Lessons/Content			
Included Software	OneScreen Lessn	Newline Engage Cloud	Newline Engage Cloud
Repository of thousands of pre-made lessons for grades K-12	✓	✓	✓
Availability of multiple subjects	✓ Math, English, Sciences, History, Geography	✓ Math, English, Sciences, History, Geography, Arts, etc	✓ Math, English, Sciences, History, Geography, Arts, etc
AI-powered lesson builder	✓	✓	✓
Diverse content options in lessons	✓ Images/Visuals, Class Activities, and Quiz Questions	✓ Images/Visuals, Class Activities, and Quiz Questions	✓ Images/Visuals, Class Activities, and Quiz Questions
Option to export	✓ Google Slides, PDF, PowerPoint Presentation	✓ PDF, PNG, wbc or hhtx	✓ PDF, PNG, wbc or hhtx

Remote Device Management			
Included Software	OneScreen Control	Newline Display Management	Newline Display Management
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)	✓	✓	✓
Account Management			
Included Software	OneScreen AMS	N/A	N/A
Remote creation and management of user accounts	✓	×	×
Bulk creation of accounts	✓	×	×
Integration with active directory	✓	×	×
Multi-tier admin accounts	✓	×	×
Panel management for accounts mode	✓	×	×
Push Button Notifications			
Included Software	OneScreen Beacon (Optional)	N/A	N/A
Types of push button 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 Titan	Newline Z Pro	Newline Q Pro Elite
24/5 Support	Live, free 24/5 GURU support available via email, chat, phone, video, audio and the Guru app	✓ Via Email / Call	✓ Via Email / Call
Live support within product	Live, free 24/5 GURU support available directly through our product interface and apps	×	×
Training	✓ Free, unlimited online training with GURU	✓ Demos can be scheduled	✓ Demos can be scheduled
Warranty	3-Year Standard Warranty (5-Year Extendable)	3-Year Standard Warranty	3-Year Standard Warranty
	Advanced Hardware Replacement (Optional)	Information not available	Information not available

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