

Touchscreen Titan vs Promethean

At a Glance



Feature	Touchscreen Titan	Promethean ActivPanel 10 Premium
Computing		
Processor	Octa-core (4x A76 + 4x A55)	Not applicable (Additional purchase required for computing)
RAM	16 GB	Not applicable (Additional purchase required for computing)
Storage	128 GB	Not applicable (Additional purchase required for computing)
Device OS		
Operating system	Android 15	Not applicable (Additional purchase required for computing)
Google EDLA-certified	✓	Not applicable (Additional purchase required for computing)
Display		
Brightness	1200 cd/m2	977 cd/m² to 1034 cd/m² (based on screen size)
Screen type	Mini-LED with local dimming	QLED
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 with 4K Video, Audio, Network and Touch (1x Front 65W, 1x Side 100W, 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	2x HDMI In (Side), 1x HDMI-Out
USB ports	5x (2x USB 3.0 at Front, 2x USB 3.0 at Side, 1x 2.0 at Side)	6x USB (1x 3.2 at Front, 3x 3.2 at Side, 1x 2.0 at Side, 1x 3.0 at Top)
Microphone	Built-in 8-array microphone with noise reduction	Built-in 8-microphone array
NFC card reader	✓ 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 25W Speakers with 20W Subwoofer
Touch and Multi-tasking		
Points of touch supported	50	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)
Invoke annotation mode automatically using pen	✓	✗
Multi-tasking features	Drag and drop split screen, Multi-window mode	Drag and drop split screen, Multi-window mode

Software	Touchscreen Titan	Promethean ActivPanel 10 Premium
Screen mirroring software	OneScreen Share	Promethean Screen Share
Whiteboarding annotation software	OneScreen Write	Promethean Explain Everything
Remote management	OneScreen Control by default; OneScreen Central (Radix backbone MDM) optional	Promethean Admin Tools
User accounts management	OneScreen AMS	✗
AI-based quiz generation tool	OneScreen QuizWiz	✗
Lesson builder and lesson repositories software	OneScreen Lessn	Promethean ActivInspire (Standard Features)
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

Built-in operating system	Touchscreen Titan's built-in secure Android OS and superior processing allow it to offer more flexibility to users in using multiple operating systems
Built-in computing at no additional cost	Titan offers built-in computing power at no additional cost, offering better value
More computing power and storage	While the Promethean ActivPanel offers computing and an operating system through a plug-in OPS, Titan outpaces it with its faster performance through its Octa-core processor compared to the OPS's Quad-core processor. It also has double the storage (128 GB vs 64 GB)
Superior android version	Featuring the newer, more secure, and future-ready Android 15, Touchscreen Titan outpaces the Promethean ActivPanel 10 Premium that comes with Android 14
Robust AI-powered tools	OneScreen stands out with its comprehensive AI-based software suite and tools, a category in which the Promethean 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, the GURU app, or through one-click access across a suite of OneScreen hardware and software solutions

Key Advantages

Android 15 with 16 GB RAM and 128 GB (expandable to upto 640 GB) storage that future-proofs your investment while being more secure
Mini-LED offers more precise backlight control than QLED, delivering deeper contrast, brighter highlights, more energy saving, and consistently superior picture quality
Supports Google/Microsoft SSO and user-friendly QR code logins
An intuitive user experience with layout options for business and education users
Supports NFC login for seamless account sign-in
Classroom and business friendly AI tools including live transcription, translation, summaries, chatbot and smart selection features
Offers thousands of pre-made lessons for grades K-12 and an AI-powered lesson builder
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	Promethean ActivPanel 10 Premium
Display and Sound		
Screen sizes	65", 75", 86"	55" / 65" / 75" / 86"
Screen type	Mini-LED with local dimming	QLED - High density direct LED Backlight
Resolution	4K Ultra HD, 3840 (H) x 2160 (V)	4K Ultra HD, 3840 (H) x 2160 (V)
Aspect ratio	16:9	16:9
Maximum brightness	1200 cd/m²	55": 977 cd/m² 65": 942 cd/m² 75": 880 cd/m² 86": 1034 cd/m²
No. of colors	1.07 Billion	1.07 Billion
Power consumption (typical)	65": 160W 75": 225W 86": 265W	55": 68W 65": 89W 75": 106W 86": 117W
Static contrast ratio	80000:1	16500:1
Refresh rate	60 Hz	60 Hz
Viewing angle	178°(H/V)	178°
Lifespan	>30,000 Hours	>30,000 Hours
Slot for PC	✓	✓
Input ports	4x HDMI In (1x Front, 3x Side)	2x HDMI In
	2x Touch USB	3x Touch USB
	1x Audio In (3.5 mm)	✗
	1x Display port	1x Display port
	1x TF card slot (up to 512 GB)	✗
	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	3x Type-C In with 4K Video, Audio, Network and Touch (1x Front 100W, 1x Side, 1x Top)	3x Type-C in with 4K Video, Audio, Network and Touch (1x Front 65W, 1x Side 100W, 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 at Side, 1x 2.0 at Side)	6x USB (1x 3.2 at Front, 3x 3.2 at Side, 1x 2.0 at Side, 1x 3.0 at Top)
	2x RJ45 (Passthrough)	2x RJ45 (Passthrough)
	1x RS232 (DB-9 connector)	1x RS232 (DB-9 connector)
	Wi-Fi 6E (2.4 Ghz / 5 Ghz / 6 GHz)	Wi-Fi 6 on 2.4GHz / 5GHz
Product weight	65": 88.2 lbs 75": 114.6 lbs 86": 143.3 lbs	55": 64.4 lbs 65": 86.9 lbs 75": 113.3 lbs 86": 149.7 lbs
Speakers	2x 20W	2x 25W Integrated sound bar
Subwoofer	1x 25W	1x 20W
Microphone	Built-in 8-array microphone with noise reduction	Built-in 8-microphone array
Sensors	Ambient light, IR sensor, Color temperature 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 push button notifications	✓	✗
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 14 with EDLA Certification (through external OPS Module, not built-in)
CPU	Octa-core (4x A76 + 4x A55)	Quad-core 4x A55 (through external OPS Module, not built-in)
RAM	16 GB	8 GB (Android OPS Module)
Storage	128 GB	64 GB (Android OPS Module)
App Store	Google Play Store	Google Play Store (Android OPS Module)
Over-the-Air (OTA) updates	✓	✓ (Android OPS Module)
Google Play services	✓	✓ (Android OPS Module)
Touch		
Touch technology	Infrared (with zero bonding Gen 2)	Infrared (with optical bonding)
Points of touch supported	Up to 50 touch points (Both Windows and Android)	50
Supported operating systems for touchscreen	Windows, Linux, Mac, Android, and ChromeOS	Windows, Linux, Mac, Android, and ChromeOS
Response time	< 2.5 ms	3 ms
Touch accuracy	1 mm	< 1 mm
Accessories		
Stylus	2x Magnetic Stylus (antibacterial)	3x Stylus (1x Passive, 2x Active)
Erasers	1x Whiteboard Magnetic Eraser	✗
Cables	1x Power Cable	1x Power Cable
	1x HDMI Cable (3840x2160 @ 60Hz)	1x HDMI Cable
	1x USB Touch Cable	1x USB Touch Cable
Remote control	1x	1x
Wall mount	✓	✓
Other Features		
Voice commands	Google Voice Assistant / Gemini	✗
Gesture control	✓	✓ (Android OPS Module)
Webcam input supported gestures to control touchscreen	✓	✗
Favorite apps shelf for quick access	✓	✓ (Android OPS Module)
AI-powered chatbot for assistance	✓	✗
Circle-to-search	✓ Smart select option for quick and easy searching	✗
Blue-light filter	✓	✓
Light/Dark mode	✓	✓ (Android OPS Module)
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 management	✗
Screen recording	✓ (Screen, Audio and Video)	✓ (Screen, Audio and Video)

Software

Screen Mirroring		
Included Software	OneScreen Share	Promethean 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	30	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	✓	✓
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, Miracast, and DLNA	✓	✓
Whiteboard		
Included Software	OneScreen Write	Promethean Explain Everything
Multi-point touch supported	32 touch points	40 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	✓	✓
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	✓	✓
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	✓	✓
Play and embed videos directly on the whiteboard	✓	✓
Built-in live support	✓	✗

Personalized User Accounts		
Included Software	OneScreen Account	Promethean Accounts
Multiple accounts	✓	✓
Log in via Google/Microsoft account	✓	×
Log in with QR code	✓	×
Google Drive/OneDrive integration	✓	✓
Home page customization (Wallpaper, Widgets, My Apps)	✓	Only wallpapers
Cloud storage supported	✓	×
Log in with NFC	✓	×
Sync device Settings and Wallpapers	✓	✓
Student Engagement Tool		
Included Software	OneScreen Engage	N/A
Create polls	✓	×
Allow students to vote from their personal devices	✓	×
Student selector	✓	✓ Through the Spinner App
Allow students to send messages to be displayed on the screen	✓	×
Educational Software		
Included Software	Oktopus (Optional)	ActivInspire
Dedicated subject-based tools	✓ 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	✓	✓
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	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	×
Disable USB Eevice/Port	✓	✓
Disable device Wi-Fi/Hotspot/Ethernet/Bluetooth	✓	✓
Generate and export debugging logs	✓	×
Install CA certificates	✓	×
AI-based Quiz Generation		
Included Software	OneScreen QuizWiz	N/A
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	✓	×
Translations, Transcriptions, Summaries		
Included Software	OneScreen Scribe	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	ActivInspire
Repository of thousands of pre-made lessons for grades k-12	✓	✓
Availability of multiple subjects	✓ Math, English, Sciences, History, Geography	✓
AI-powered lesson builder	✓	×
Diverse content options in lessons	✓ Images/Visuals, Class Activities, and Quiz Questions	✓
Option to export	✓ Google Slides, PowerPoint Presentation	✓
Remote Device Management		
Included Software	OneScreen Control	Admin Tools
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
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
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	Promethean ActivPanel 10 Premium
24/5 Support	Live, free 24/5 GURU support available via email, chat, phone, video, audio and the Guru app	✓ Online Chat support, Training videos, FAQs section
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	✓ Demo can be scheduled
Warranty	3-Year Standard Warranty (5-Year Extendable)	4 Years Standard
	Advanced Hardware Replacement (Optional)	×

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