

Touchscreen T7 vs Prometheam

At a Glance



Feature	OneScreen T7	Promethean ActivePanel 9	Promethean ActivePanel 9 Premium
Computing			
Processor	Octa-core (4x A76 + 4x A55)	Quad-core (4x A73)	Quad-core (4x A73)
RAM	8 GB	4 GB	6.5 GB
Storage	128 GB	32 GB	64 GB
Device OS			
Operating system	Android 15	ActivPanel OS based on Android 11	ActivPanel OS based on Android 11
Google EDLA-certified	Yes	No	No
Hardware			
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 100W)
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
NFC card reader	Yes, with NFC-based user login support	No	Yes, with NFC-based user login support
Audio	2x 20W Speakers, 1x 25W Subwoofer	2x 15W Speakers	2x 18W Speakers, 1x 15W Subwoofer
Touch and multi-tasking			
Points of touch supported	Upto 50 touch points	Upto 20 touch points	Upto 20 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
Multi-tasking features	Drag and drop split screen, Multi-window mode	Multi-window mode	Multi-window mode
Software			
Whiteboard & annotation	Perpetual OneScreen Write license	Perpetual license of Promethean Whiteboard	Perpetual license of Promethean Whiteboard
	Advanced annotation tools, screen recording, object recognition	Annotation tools, screen recording	Annotation tools, screen recording
Video conferencing	Free 1st year license of OneScreen Hype	License of Promethean Panel Management	License of Promethean Panel Management
Screen sharing	Up to 9 users simultaneously	Up to 4 users simultaneously	Up to 4 users simultaneously
Learning management	OneScreen LearningHub	No	No
AI-based Quiz Generation Tool	Free 1st year license of OneScreen QuizWiz	No	No
Device management solution	Free 1st year license of OneScreen Central	License of Promethean Panel Management	License of Promethean Panel Management
Live closed captions with one-click summarization and translation	Free 1st year license of OneScreen Scribe	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 and NFC cards
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	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. The Promethean ActivPanels are based on Android 11 and are not Google EDLA certified.
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 ActivPanel's Quad-core processor.
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 upto 50 touch points while the Promethean panels support upto 20 touch points. A response time of 2.5ms makes the T7 far more responsive than the Promethan panels that have an response time of 10ms.
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. The Promethean ActivPanel 9 features 15W speakers while the ActivPanel 9 Premium comes with 18W speakers and a 15W subwoofer. Both Promethean panels do not have an 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	Both the T7 and ActivPanel 9 provide AI tools for educators and users from every industry. However, the T7 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 Promethean panels do not have such features.
On-screen annotations	Both T7 and Promethean offer intuitive annotation tools. However, 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 stylus pen is used for inking and erasing, while fingers can be used for navigating the screen. The Promethean panels on the other hand, require manual mode switching.
Ports	The T7 comes with 3x USB-C In and 1x USB-C Out port while both Promethean panels have 1x USB-C In and no USB-C Out port. The T7 has 4x HDMI In ports and an HDMI Out port while both Promethean Panels have 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.
Summary	Both OneScreen T7 and Promethean excel in their own right, addressing various use cases in classrooms, boardrooms, and conference rooms. The T7 boasts additional features like EDLA certification, enhanced touch, an in-built microphone, more responsiveness and accuracy in touch, and total touch points. Moreover, 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	ActivPanel 9	ActivPanel 9 Premium
Display and Sound			
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/m² 75" and 86": 450 cd/m²	400 cd/m²	400 cd/m²
No. of colors	1.07 billion	1.07 billion	1.07 billion
Power consumption (typical)	65": 200 W	65": 128 W	65": 128 W
	75": 285 W	75": 141 W	75": 141 W
	86": 315 W	86": 194 W	86": 194 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	>30,000 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)	4x Touch USB	4x Touch USB
	1x Audio In 3.5mm / VGA Audio in	1x Audio In (3.5mm)	1x Audio In (3.5mm)
	No	No	1x VGA in
	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	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 (65W Power Delivery)	1x USB Type-C (100W 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 (Passthrough)	2x RJ45	2x RJ45
	1x RS232 (DB-9 Connector)	1x RS232	1x RS232
	Wi-Fi 6 on 2.4GHz/5GHz	Wi-Fi 6 on 2.4GHz/5GHz	Wi-Fi 6 on 2.4GHz/5GHz
Product weight	65": 84 lbs	65": 95.3 lbs	65": 98.1 lbs
	75": 112 lbs	75": 121.9 lbs	75": 127.4 lbs
	86": 138.8 lbs	86": 153.4 lbs	86": 161.6 lbs
Speakers	2x 20W, front facing speakers with stereo output	2x 15W, front-facing speakers	2x 18W front-facing speakers
Subwoofer	1x 25W	No	1x 15W

Built-in microphone	Built-in 8-microphone array with noise reduction	No	Yes
Sensors	Ambient light, IR Sensor	Ambient light, IR Sensor	Ambient light, IR Sensor
NFC Card reader	Yes, with NFC-based user login support	No	Yes
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)	Level 7 MoHS tempered glass (anti-glare and anti-fingerprint)	Level 7 MoHS tempered glass (anti-glare and anti-fingerprint)
Operating System			
Operating system	Android 15 with EDLA Certification	ActivPanel OS based on Android 11	ActivPanel OS based on Android 11
CPU	Octa-core (4x A76 + 4x A55)	Quad-core (4x A73)	Quad-core (4x A73)
RAM	8 GB	4 GB	6.5 GB
Storage	128 GB	32 GB	64 GB
App store	Google Play Store	Promethean App Store	Promethean App Store
Wireless screen sharing/mirroring	Yes	Yes	Yes
Over-the-Air (OTA) updates	Yes	Yes	Yes
Google Play services	Yes	No	No
Touch			
Touch technology	Infrared (with zero bonding Gen 2)	Infrared	Infrared
Points of touch supported	Up to 50 touch points (OS dependent)	20	20
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	≤ 8 ms
Touch accuracy	1 mm	1 mm	1 mm
Accessories			
Stylus	2x Magnetic Stylus (antibacterial)	2x Stylus	4x Stylus
Erasers	1x Whiteboard Magnetic Eraser	1x Block Eraser	1x Block Eraser
Cables	1x Power Cable	1x Power Cable	1x Power Cable
	1x HDMI Cable (3840x2160 @ 60Hz)	1x HDMI Cable	1x HDMI Cable
	1x USB Touch Cable	1x USB Touch Cable	1x USB Touch Cable
	No	1x USB-C Cable	1x USB-C Cable
Remote control	1x	1x	1x
Wall mount	Yes (VESA Standard)	Yes (VESA Standard)	Yes (VESA Standard)
Built-in camera	No	No	No
Other Features			
Voice commands	Google Voice Assistant	No	No
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	No	No
Light/Dark mode	Yes	No	No
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	Promethean Screen Share	Promethean 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	4	4
Share device's screen using browser	Yes	No	No
Share Image/Video/Document from device	Yes	Yes	Yes
Share device's camera feed (Play/Pause)	Yes	No	No
Floating window of shared screen on the interactive display	Yes	No	No
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	No	No
Supports Chromecast, Airplay and Miracast	Yes	Yes	Yes

Annotation Software (Android)			
Included Software	OneScreen Write`	Promethean Whiteboard	Promethean 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	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	No	No
Geometry tools	Yes	Yes	Yes
Shape recognition	Yes	No	No
Text recognition	Yes	No	No
Background	Preset Colors / Custom Images	Preset Colors / Custom Images	Preset Colors / Custom Images
Pen / Finger detection	Yes	No	No
Pen Type detection	Yes	No	No
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	No	No
Drag and drop images from browser	Yes	No	No
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
Login with QR code	Yes	Yes	Yes
Google Drive/OneDrive integration	Yes	Yes	Yes
Home Page customization (wallpaper, widgets, My apps)	Yes	Only wallpaper	Only wallpaper
Cloud storage supported	Yes	Yes	Yes
Log in with NFC	Yes	No	Yes
Sync device settings and wall papers	Yes	Yes	Yes
Student Engagement Tool			
Included Software	OneScreen Class	ActivInspire & ClassFlow	ActivInspire & ClassFlow
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	No	No
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	No	No
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	No	No
Disable USB device/port	Yes	Yes	Yes
Disable device Wi-Fi/Hotspot/Ethernet/Bluetooth	Yes	Yes	Yes
Generate and export debugging logs	Yes	No	No
Install CA certificates	Yes	No	No

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	ClassFlow	ClassFlow
Give live video lessons	Yes	Yes	Yes
Share device's screen	Yes	Yes	Yes
Lesson recording	Yes (with audio, video, screen content and live captions)	Yes	Yes
Allow on-screen annotation over content	Yes	Yes	Yes
In-meeting polling options	Yes	Yes	Yes
Built-in shared notes	Yes	Yes	Yes
Built-in AI-based quiz generator	Yes	No	No
Generate URL for recorded lesson	Yes	Yes	Yes
Auto engagement scoring of remote students	Yes	No	No
Platforms supported for conferencing	Web-based - Android / iOS / Mac / Windows / Chrome OS / Linux	Web-based - Android / iOS / Mac / Windows / Chrome OS / Linux	Web-based - Android / iOS / Mac / Windows / Chrome OS / Linux
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	Promethean Panel Management	Promethean Panel 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
Annotation Software (Windows/Mac)			
Included Software	OneScreen Annotation & Whiteboarding Software	Promethean Annotate	Promethean Annotate
Multi-point touch supported	10 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 app/window	Yes	Yes	Yes
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	Yes	Yes
Screen capture tools	Yes	Yes	Yes
Support for annotating on various formats	Yes	Yes	Yes
Closed Captions and Lesson Summaries			
Included Software	OneScreen Scribe	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) Advanced Hardware Replacement (Optional)	3 years	3 years

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