

Teachmint X 86 PB Series

Big Vision for Big Classrooms

- RK 3576 Octa Core Processor
- AI-Powered 48MP 4K Camera
- Connected Classroom App
- Vision X: Classroom Monitoring System
- 2×20W Speakers and 4K UHD Display
- Smooth Writing, Zero Lag IR Touch
- Neural Processing Unit for AI tasks
- Secure teacher login with NFC cards
- Android 16 Google EDLA Certified
- EduAI - Personal Teaching Assistant

Hardware Specification

Model No.	**Teachmint X 86 PB Series**
Screen Size - Aspect Ratio 16:9	2.17m (86")
Maximum resolution	3840 x 2160 (pixels)
Response Time	≤ 5 ms
Contrast Ratio	Typ:1200:1
Brightness	450 nits
Display Colors	1.07 Billion (10-bit)
Typical Backlight Lifetime	60,000 hours
Backlight Type	D-LED edge Type
Product Size (W x D x H)	1950mm X 107mm X 1193mm
Net Weight	66.8 kg
System	
Operating System	Android 16.0 EDLA
RAM/ROM	8GB RAM / 128GB ROM
CPU	Octa Core | RK3576 (4* ARM Cortex A72 @ 2.2 GHz + 4* ARM Cortex A53 @ 2 GHz)
NPU	Onboard AI (6.0 TOPS)
GPU	Mali-G52 MC3
Camera	Auto-focus 48 MP 4K UHD Quality Video; AI camera with sound localization and intelligent framing
Mic	8-Array Mic
Security	NFC Integration for quick & secure teacher login
Surface Protection	3.2mm Toughened Glass | 9H Hardness
Refreshing Frequency	60Hz
Housing Material & Color	Aluminum Alloy, Silver Grey
Maximum Power Consumption without OPS	460W
Audio Output Power	2x20W/6Ω Speakers + 20W/4Ω Sub-Woofer

Wi-Fi Standard	Dual Band (2.4GHz/5GHz, 802.11a/b/g/n/ac), Dual Wi-Fi
Bluetooth	Bluetooth 5.1
Connectivity Ports	HDMI-In, HDMI-Out, USB 3.0, USB 2.0, USB-C, Touch-USB, LAN, Mic In, Audio Out, SPDIF, RS232
AI Features	EduAI-Powered Features
NFC Card	Instant and secure teacher login with a simple tap of the NFC card
Accessories	IIP (1N), Remote Control (1N), Stylus (2N), NFC Cards (5N), Power Cord (1N), User Manual (1N), Installation Docs (3N), Warranty Card (1N), HDMI Cable (1N), Touch USB Cable (1N), Wall Mount Kit (1N), Microfiber Cloth (1N)

Software Specification

Device-Level Capabilities	Google Suite & Microsoft Office Integration Smart Device Connectivity – Effortless pairing with smart devices Wireless Casting & Screen Sharing Powered by Android 16 with full support for meeting, productivity, & educational apps Connected Classroom App
Operating System	Authentic Android 16 – Latest features and enhanced security
Enhanced Security	Google Play Protect
Official Google Services	Chrome, YouTube, Gmail, Play Store, Settings, Docs, Slides, Sheets, Chat, Drive, Meet, and Calendar
Classroom Monitoring System: Vision X	Live Classroom Feeds for Admins Classroom audio and screen share Broadcast and alerts Privacy & Security with zero dependency on cloud
Teaching Software - Whiteboard	Class prep with EduAI: Create whiteboards, presentations, or PDFs effortlessly NFC-Based Login for Secure Access Attendance Management / AI-Powered Smart Attendance with AI face recognition Import Documents & Multimedia into Lessons AI Quiz & Homework generator with detailed explanation Live Class Feature for Virtual/Hybrid Learning Screen Share on Live Class Live Chat & Polling During Class. Online Collaboration with Students, with Access Control Options. Class Lecture Recording, Publishing for Students & Class Summarizer. Multiple types of Pens with Color Customization Stylus Customization: Write, Erase, Select, and Highlight Options Single & Multi-Touch Writing Capabilities Drag & Drop Multimedia (Images, Videos, Text) Palm Erase Feature Smart Search with EduAI Voice to Text and Text to Speech AI on Whiteboard Smart Shape Recognition 2D & 3D Shape Tools with Measurements Create and share assignments and tests with analytics and insights Lesson Sharing via QR Code, WhatsApp, or Email Test & Homework Viewing Offline Mode for Continued Learning Customizable Background Themes NCERT and State Board aligned Content STEM Suite & Educational Games - Visualize graphs, simulations, 3D models, circuits & educational games Multilingual AI Pen with 90+ languages Maths and Physics Solver

Teachmint X

Celebrating our collaboration with prestigious educational institutions

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Singapore - 179094

Manila:
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6781 Ayala Avenue,
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Makati, Metro Manila, Philippines

Dubai:
Office # 431, 4th Floor,
Building A3, Dubai South

Scan for Setup & Support

*Terms and conditions apply.

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