Technical Document – 86-Inch Capacitor Conference & Education Integrated Machine

Product Overview

3mm physical toughened anti-glare glass to enhance visual effect and improve touch experience.

Standard 20-point touch support for faster writing speed and optimal writing performance.

Aluminum alloy outer frame with sandblasted anodized surface, iron back cover, and active heat dissipation.

Ultra-narrow sandblasted surface bezel design, only 26mm on each side of the front frame.

Integrated plug-in OPS slot design using international standard; convenient for upgrades and maintenance with no external visible cable.

Front expansion port with one-button power switch, supporting TV, PC, and energy-saving switching.

Front infrared remote control window for easy remote configuration and operation.

Front-facing speaker design with honeycomb audio holes for clear sound output.

Built-in Android and PC motherboards, each with integrated WiFi module for wireless transmission and internet access.

Side-pull touch menu supported; includes multi-channel writing, annotation, screenshot, and child-lock functionality.

Complete Machine Parameters

(Note: The original data in the PPT does not provide full parameter tables. Based on previous context and industry norms, you may expand this section as follows):

Display Size: 86 inches

Touch Technology: Capacitive, 20-point multi-touch

Glass: 3mm anti-glare tempered glass

Frame: Aluminum alloy + iron shell back, 26mm ultra-narrow bezel

Backlight: LED

Resolution: 3840 × 2160 (4K UHD)

Brightness: 450 cd/m²

Contrast Ratio: 1200:1

Response Time: ≤8ms

Viewing Angle: 178° (H) / 178° (V)

Lifespan: ≥50,000 hours

Operating System: Android + Windows dual system support

Wireless: Dual-band WiFi module (Android & PC)

Interface & Connectivity

HDMI, VGA, USB, LAN, RS232 (actual interfaces can be customized based on internal motherboard)

Front expansion ports for power control and signal switching

OPS slot (standard plug-in module for PC)

Views and Structure

Front View: Full flat panel with front-facing speakers and touch surface

Back View: Iron housing with ventilation and OPS slot

Side Views: Ultra-thin profile, front-facing I/O access

Architecture Diagram: Showing embedded components (Android board, OPS slot, power system, touch controller)

Application Scenarios

Smart Classrooms: Digital teaching, multi-student interaction, blackboard replacement

Conference Rooms: Video meetings, whiteboarding, content presentation

Training Centers: Annotation, screen sharing, real-time feedback

Public Info Terminals: Self-service inquiry, smart signage systems

Integrated Whiteboard Systems: OEM/ODM touch display solutions







