

The Smart Guru Interactive Display Series

The world's first interactive flat panels running **Android 16** with EDLA Certification, on-device AI, and a built-in K-12 content ecosystem — engineered for institutions that lead.

65"

MODEL I6501

75"

MODEL I7501

86"

MODEL I8601

- OS **Android 16 + EDLA · World First**
- AI Chip **6 TOPS NPU · On-Device**
- Touch **50-Point Multi-Touch IR**
- Resolution **4K UHD 3840 × 2160**
- AI Tools **Smart Write · Smart Formula**
- Content **PhET 3D · HD Animations · K-12**
- Camera (Opt.) **48 MP + 8-Array Mic**

4K · AI · Android 16

INTERACTIVE FLAT PANEL

EDLA Certified

Smart Write

PhET 3D

50-Touch

WORLD-FIRST COMPUTING PLATFORM



Android 16 + Google EDLA Certified

The only IFPs shipping with Android 16 worldwide. EDLA certification unlocks the official Google Play Store, Google Classroom, and Google Drive — teachers sync lessons across devices effortlessly. Security patches guaranteed for years.

Android 16

EDLA · GOOGLE CERTIFIED



6 TOPS Neural Processing Unit

A dedicated on-board AI chip — not software emulation. Powers Smart Write handwriting conversion, Smart Formula recognition, AI voice assistant, and intelligent content recommendations without any cloud dependency.

6 TOPS NPU

ON-DEVICE · NO CLOUD NEEDED



Octa-Core RK 3576 + DDR5 RAM

Quad Cortex-A53 + Quad Cortex-A72 running at 2.2 GHz with DDR5 RAM. Run 3D PhET simulations, video playback, split-screen lessons, and DMS — all simultaneously without a single frame of lag.

2.2 GHz

DDR5 · OCTA-CORE 64-BIT



8 GB RAM + 128 GB Local Storage

Store an entire school curriculum locally — animated K–12 content, NCERT books, PhET simulations, and exam banks. 100% functional with zero internet. Rural schools and poor-connectivity areas fully supported.

128 GB

FULL OFFLINE CURRICULUM

DISPLAY & EYE SAFETY



4K UHD · 4000:1 Contrast · 1.07B Colors

3840 × 2160 native resolution. Every diagram, periodic table, map, and formula is razor-sharp even on the 86" panel — legible from the back row. 450 nits brightness handles direct sunlit classrooms comfortably.

3840×2160



4mm Anti-Glare · Eye-Care Certified · 178°

Toughened anti-glare glass eliminates window and tube-light reflections. Eye Protect mode reduces blue-light fatigue for students in 6+ hour school days. 178° viewing angle — every seat sees the same perfect image.

178°

EYE-SAFE CERTIFIED

50pt

MULTI-TOUCH

<4ms

TOUCH LATENCY

±2mm

ACCURACY

8K

VIDEO DECODE

48MP

CAMERA (OPT.)

450

NITS BRIGHT

Windows PC On-Demand — No Second Device Required

OPS Slot

Plug in any standard OPS Windows PC module and switch between Android 16 and full Windows 11 in one tap. Teachers use familiar PowerPoint, Excel, and Word on the same panel. Perfect for institutions already on Windows workflows.

Optional · Hybrid Kit

48 MP Camera + 8-Array Noise-Cancelling Mic — Studio-Quality Lectures

Broadcast-quality video capture with 8-microphone array. Record lessons for absent students, run live online classes, and host parent-teacher video meetings — all built in, no external equipment required.

AI-Powered Teaching Tools & K-12 Content

ON-DEVICE AI TOOLS – NO INTERNET REQUIRED

◆ Smart Write – Handwriting to Digital Text

Write naturally with finger or stylus — AI converts it instantly into clean, formatted digital text on screen. No messy board writing. Supports all major Indian languages.

Hindi

Marathi

Tamil

Bengali

Gujarati

◆ Smart Formula – Math & Science Notation

Write any equation or chemical formula by hand — AI formats it instantly into professional LaTeX / digital notation. Integrals, equations, and physics formulas appear perfectly typeset for STEM lessons.

AUTOMATED QUESTION PAPER GENERATOR

QP

Select Standard + Subject + Chapter → Instant Question Paper

Generates a balanced paper mixing objective and subjective questions automatically. Export as PDF or Word in seconds. Saves 3–5 hours of admin work per teacher, per week.

INTEGRATED K-12 CONTENT LIBRARY

PhET Interactive 3D Simulations

Students virtually perform pH experiments, explore atomic structures, and visualise physics in fully interactive 3D — on the panel, with touch. Abstract concepts become tangible.

3D Sims

SCIENCE · PHYSICS · CHEMISTRY

HD Animated Video Library

Curriculum-aligned animated videos across Math, Science, History and more — in regional languages so language is never a barrier to quality education.

HD

MULTI-SUBJECT · MULTI-LANGUAGE

AI Topic Search – Theory on the Board

Type any topic on the whiteboard — AI pulls structured theory, definitions, and curriculum-aligned explanations in seconds. No browser, no app switching required.

Instant

ANY TOPIC · CURRICULUM-ALIGNED

On-Screen MCQ Generator

Search any chapter — AI generates a full MCQ quiz with options, answers, and explanations. Run live quizzes or print revision worksheets. Works across all K–12 subjects.

Auto MCQ

LIVE QUIZ · PRINT-READY · K-12

TOUCH & SHARING

50

Simultaneous Touch Points – Whole-Class Collaboration 50 touch points vs the standard 10–20. Entire groups solve problems together. Lag-free IR — indistinguishable from a marker on a traditional whiteboard, with all the power of digital.



QR Code Instant Sharing Students scan a QR code on screen to receive annotated notes instantly on their phone. No app, no cable, no email — lesson content delivered in seconds to every student's device.

Value for Schools & Institutions

WHY EVERY CLASSROOM NEEDS THIS

Replace 5 Devices with 1 01

Projector + whiteboard + PC + speaker system + document camera — replaced by a single maintenance-free device. One purchase. One warranty. Zero cable clutter. Zero bulb replacements.

Saves ₹1.5–2.5 Lakh in hardware per classroom

Google Ecosystem Ready — Day 1 02

EDLA certification means Google Classroom, Google Drive, YouTube Edu, and every Play Store app work officially and securely. Teachers already using Google Workspace need zero retraining.

Zero transition friction for Google schools

3-5 Hours Saved Per Teacher Per Week 03

Auto-generated question papers, pre-loaded lesson plans in regional languages, and QR-code sharing eliminate the most time-consuming teacher administrative tasks — every single week.

Measurable time savings from Day 1

Offline-First — Works Everywhere 04

128 GB local storage holds the full curriculum. PhET simulations, animated videos, and question banks are available without any internet. Rural and semi-urban schools are fully supported.

100% functional with zero connectivity

Language-Inclusive Education 05

Smart Write, lesson plans, and HD content in Hindi, Marathi, Tamil, Bengali, and Gujarati ensure that language is never a barrier. Vernacular-medium schools can deliver premium digital education.

6+ regional languages supported natively

Fleet Management Across All Campuses 06

The Device Management System remotely monitors, updates, locks, and configures every panel across all campuses from one dashboard. Multi-branch institutions need no on-site IT visits.

Manage 100+ panels from one interface

Institution ROI at a Glance

10+

YEARS SOFTWARE LIFECYCLE

5-in-1

DEVICE CONSOLIDATION

₹0

BULB / LAMP COSTS

3-5h

TEACHER TIME SAVED / WEEK

IDEAL FOR

K-12 Schools Primary Use

- CBSE, ICSE & State Board smart classrooms
- PhET science labs with 3D simulations
- Regional language medium teaching
- Smart Write for natural board teaching

Coaching Institutes EdTech

- JEE / NEET exam prep with auto question papers
- 48MP camera studio for recorded lectures
- Smart Formula for complex math notation
- QR code notes sharing to student devices

Govt. Schools PM SHRI / Samagra

- Full offline content for no-internet zones
- Central DMS for district-level deployment
- DIKSHA & NCF-2023 aligned content
- Durable anti-glare glass for heavy use

Colleges & Universities Higher Ed

- Lecture hall annotation & recording
- Hybrid remote + in-person with 48MP kit
- OPS slot for full Windows 11 workflows
- HDMI mirroring to overflow classrooms

WIRELESS EXCELLENCE



WiFi 6 (802.11ax) – Next-Gen Wireless

Dual-band 2.4 GHz / 5 GHz handles dense school environments where dozens of devices compete for bandwidth. Stream 4K content, run cloud LMS, and cast student screens — all without lag or dropout.

WiFi 6

2.4 GHZ / 5 GHZ · 802.11AX



Bluetooth 5.4 + Built-In Hotspot

Connect wireless keyboards, microphones, student clickers, and smart devices simultaneously. Built-in hotspot shares the panel's connection to student tablets — no separate router needed for mobile learning setups.

BT 5.4

HOTSPOT · MULTI-DEVICE



Gigabit Ethernet – Wired Stability

10/100/1000 Mbps GMAC Ethernet for institutions preferring wired reliability. Ideal for examination centres, video recording studios, or large campuses with structured cabling infrastructure.

1000 Mbps

GMAC · ZERO PACKET LOSS



Universal Type-C – One Cable Wonder

A single USB-C cable connects a teacher's laptop to share video, audio, and touch control — while simultaneously charging the laptop. No adapters, no dongles. Guest teachers ready in 5 seconds.

1-Cable

VIDEO + TOUCH + POWER

INPUT / OUTPUT PORT ARCHITECTURE

FRONT PORTS

- 2x USB 3.0
- 1x Touch USB Type-B
- 1x HDMI 2.0 IN
- 1x Type-C

REAR PORTS

- 1x HDMI 2.1 IN (4K@60Hz)
- 1x HDMI OUT (1080p)
- 1x Type-C
- 2x USB 2.0 · 1x USB 3.0
- 1x RJ45 Ethernet
- 1x RS232 · 1x S/PDIF
- LINE IN · LINE OUT
- 1x OPS Slot (PC Module)

PHYSICAL BUTTONS

- Screen Record
- Volume - / +
- Settings
- Eye Protect Mode
- Power
- Return
- Status LED Indicator

AUDIO & SCREEN SHARING



2.2 Channel HD Audio – 2x 20W

Dual 20W full-range speakers with dedicated tweeter channel fill classrooms of up to 60 students clearly. LINE IN / LINE OUT jacks and S/PDIF optical for professional PA system integration.

40W Total

2.2CH · LINE IN/OUT · S/PDIF



Screen Casting & E-Sharing

Wirelessly cast any student or teacher device screen via Miracast / AirPlay. Teachers invite students for peer review presentations. QR-code lesson sharing sends annotated notes to any mobile device instantly — no app needed.

Miracast

AIRPLAY · QR SHARE · WIRELESS

Technical Specifications & Contact

MODEL COMPARISON

65" MODEL I6501		75" MODEL I7501		86" MODEL I8601	
Weight	56 kg	Weight	68 kg	Weight	98 kg
Bare Dims (mm)	1483×897×87	Bare Dims (mm)	1709×1020×88	Bare Dims (mm)	1957×1160×100
Max Power	280W	Max Power	350W	Max Power	450W
Speakers	20W × 2	Speakers	20W × 2	Speakers	20W × 2

FULL TECHNICAL REFERENCE

Parameter	I6501 (65")	I7501 (75")	I8601 (86")
DISPLAY			
Resolution	3840×2160 UHD	3840×2160 UHD	3840×2160 UHD
Brightness / Contrast	450 cd/m ² · 4000:1	450 cd/m ² · 4000:1	450 cd/m ² · 4000:1
Colors / Viewing	1.07B · 178°	1.07B · 178°	1.07B · 178°
Screen Glass	4mm Anti-Glare	4mm Anti-Glare	4mm Anti-Glare
TOUCH & AI			
Touch Points	50pt Android / 20pt Win	50pt Android / 20pt Win	50pt Android / 20pt Win
Response / Accuracy	<4ms · ±2mm	<4ms · ±2mm	<4ms · ±2mm
NPU	6 TOPS On-Device AI	6 TOPS On-Device AI	6 TOPS On-Device AI
COMPUTING			
OS / Certification	Android 16 + EDLA	Android 16 + EDLA	Android 16 + EDLA
Chipset / CPU	RK3576 · Octa 2.2GHz	RK3576 · Octa 2.2GHz	RK3576 · Octa 2.2GHz
RAM / Storage	8GB DDR5 / 128GB	8GB DDR5 / 128GB	8GB DDR5 / 128GB
CONNECTIVITY			
WiFi / BT	WiFi 6 (ax) · BT 5.4	WiFi 6 (ax) · BT 5.4	WiFi 6 (ax) · BT 5.4
Ethernet / Hotspot	1000Mbps · Yes	1000Mbps · Yes	1000Mbps · Yes
Audio	2.2CH HD · 2×20W	2.2CH HD · 2×20W	2.2CH HD · 2×20W
Camera (Opt.)	48MP + 8-Array Mic	48MP + 8-Array Mic	48MP + 8-Array Mic
OS Compat.	Win · Mac · Linux · ChromeOS	Win · Mac · Linux · ChromeOS	Win · Mac · Linux · ChromeOS

INCLUDED SOFTWARE & FEATURES

- Smart Write (AI Handwriting)
- Smart Formula (AI Math)
- Auto Question Paper Generator
- PhET 3D Simulations
- HD Animated K-12 Content
- Device Management System
- QR Code File Sharing
- Screen Recording
- Eye Protect Mode

FRONT & REAR PORTS

- HDMI 2.1 IN
- HDMI OUT
- 2× USB 3.0
- 2× USB 2.0
- 2× Type-C
- Touch USB-B
- RJ45 Ethernet
- RS232
- LINE IN/OUT
- S/PDIF
- OPS Slot

Smart Guru Services · Next Gen Labs

Future-ready EdTech since 2013 · IFP · Robotics · STEM Labs · Studio Setup · K-12 Content

Request a Campus Demo
Bring the panel to your institution
smartguruserVICES.com
India's complete EdTech partner