

Riotouch Interactive Display Panel - RK3588

AI-Ready Smart Displays for Education, Business & Public Spaces



Google EDLA Certified

Enterprise-grade security, native Google ecosystem support, and long-term system update commitment.



AI-Native Platform

Built-in NPU up to 6 TOPS, enabling real-time AI teaching tools, voice control, content summarization, and intelligent interaction.



All-in-One Ecosystem

Integrated UMind whiteboard, UFile management, cloud platform, MDM remote control, and customizable brand interfaces.

Software & AI Ecosystem

UMind AI Whiteboard

- ✓ AI-assisted lesson preparation: generate outlines, quizzes, and interactive content from keywords.
- ✓ Smart teaching tools: shape/formula recognition, math graphing, split-screen comparison, and real-time student engagement tools.
- ✓ Multi-language support: live translation, speech-to-text, and text-to-speech.



UFile Smart File Management

- ✓ Open 20+ file formats directly: PPT, Word, Excel, PDF, CAD, SVG, PSD, OBJ, and more.
- ✓ AI auto-tagging and classification for quick search and retrieval.
- ✓ Cloud integration: OneDrive, Google Drive, plus 5 GB free Riotouch cloud storage.

AI Assistant

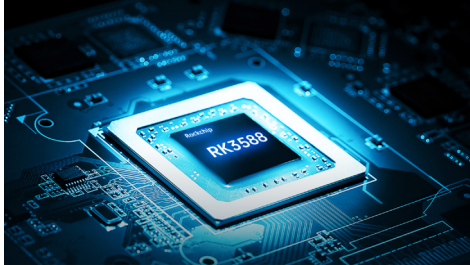
- ✓ Voice-controlled app launching, source switching, and file searching.
- ✓ Auto-generated meeting and lesson summaries from whiteboard content.
- ✓ Post-class Q&A interaction with student performance tracking.



Riotouch Cloud Management Platform

- ✓ Five-tier account system: dealers, administrators, teachers, parents, and students.
- ✓ Remote device management: OTA updates, app distribution, and real-time status monitoring.
- ✓ School pickup system with AI-based identity verification and security alerts.

Premium Hardware for Reliable Performance



AI Computing Core

Rockchip RK3588 octa-core processor with 6 TOPS NPU, supporting on-device AI processing with low latency.



48MP AI Cmera



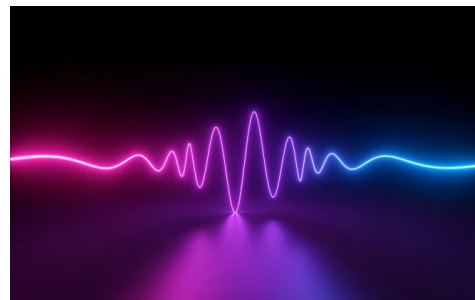
48 MP AI Camera + 8-Mic Array

Optional ultra-HD camera with auto-framing and speaker tracking, combined with 8 noise-canceling microphones for clear audio in any environment.



Dual-Band Wi-Fi 6 & 5

Simultaneous dual Wi-Fi support ensures stable connectivity for screen sharing, online resources, and video conferencing.

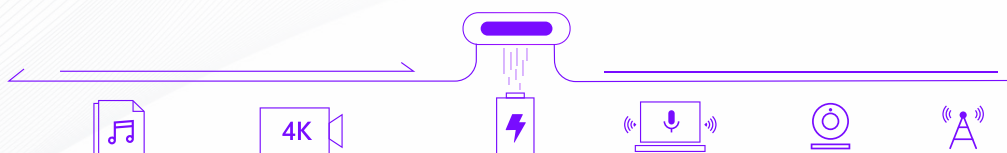


Enhanced Audio System

2 × 20 W high-performance speakers + 20 W subwoofer (optional) deliver immersive sound for classrooms and meeting rooms.

Front I/O Highlights

Full-function USB-C (65W – 100W PD, data, video) | HDMI In | USB 3.0 × 3 | Touch USB



Application Scenarios



Smart Classroom

Interactive lessons, group collaboration, instant assessment, and AI-powered teaching assistance.



Public Display & Digital Signage

4K visual impact, multi-screen support, and centralized content management.



Hybrid Meeting Room

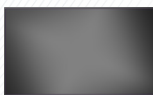
Wireless presentation, remote participation, real-time annotation, and clear audio-visual experience.



Smart Medical Ward

Real-time queuing notice, health popularization broadcast, remote expert consultation, multi-lingual information display.

Customization



Appearance Customization

Bezel color, logo placement, and overall aesthetic tailored to your brand identity.



Software UI Customization

Custom boot animation, pre-loaded apps, and personalized launcher interface.



Feature Configuration

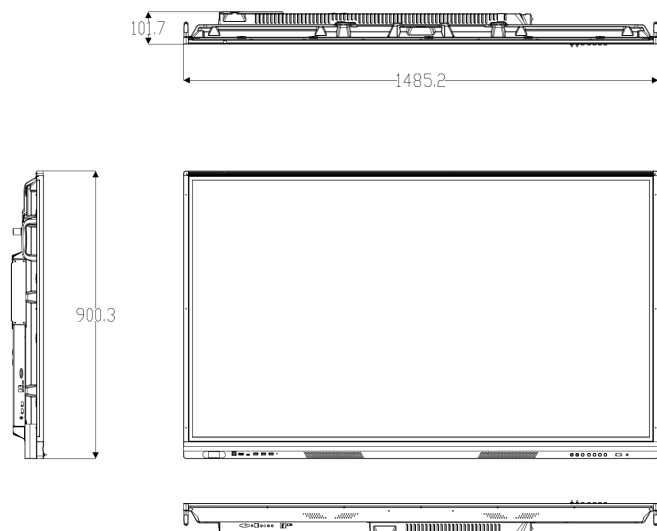
Hardware options (camera, subwoofer, RAM/ROM) and software module selection based on your needs.



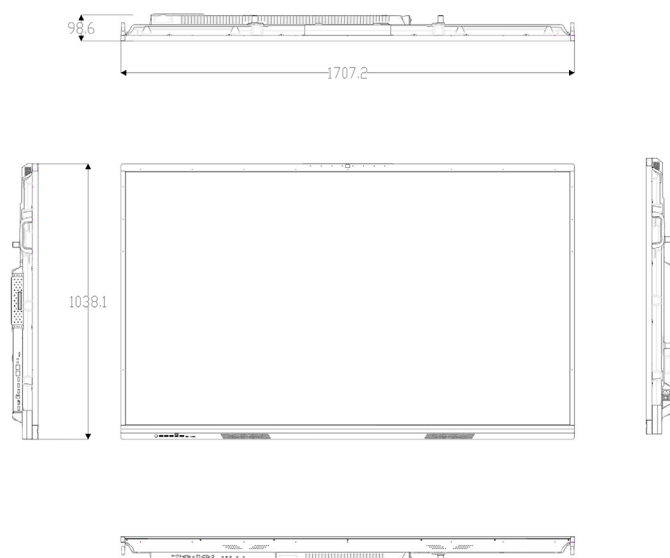
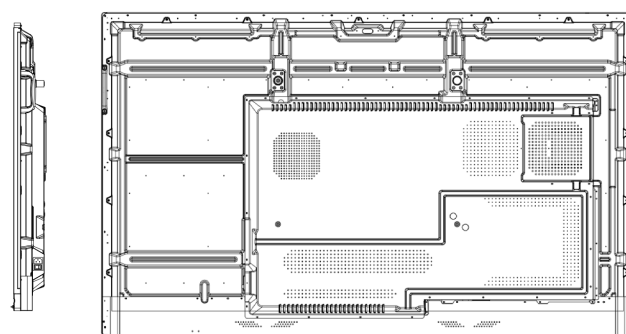
Hello@riotouch.com



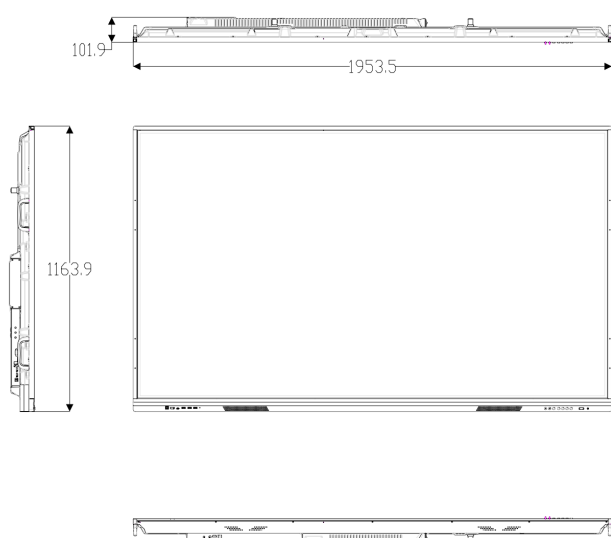
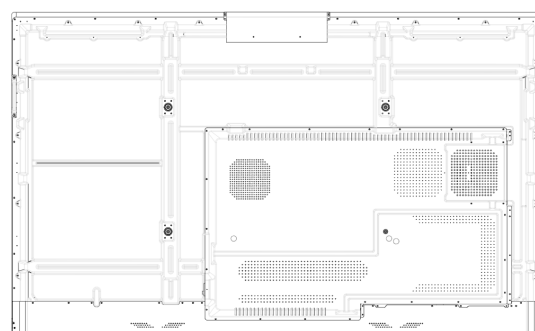
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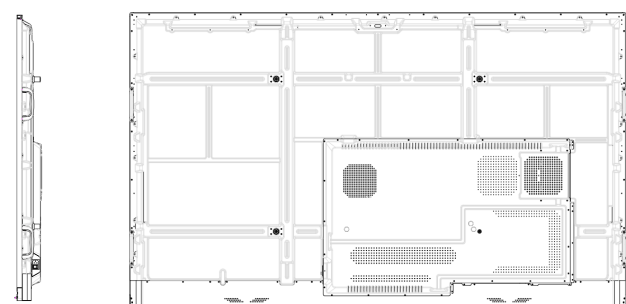
65 "



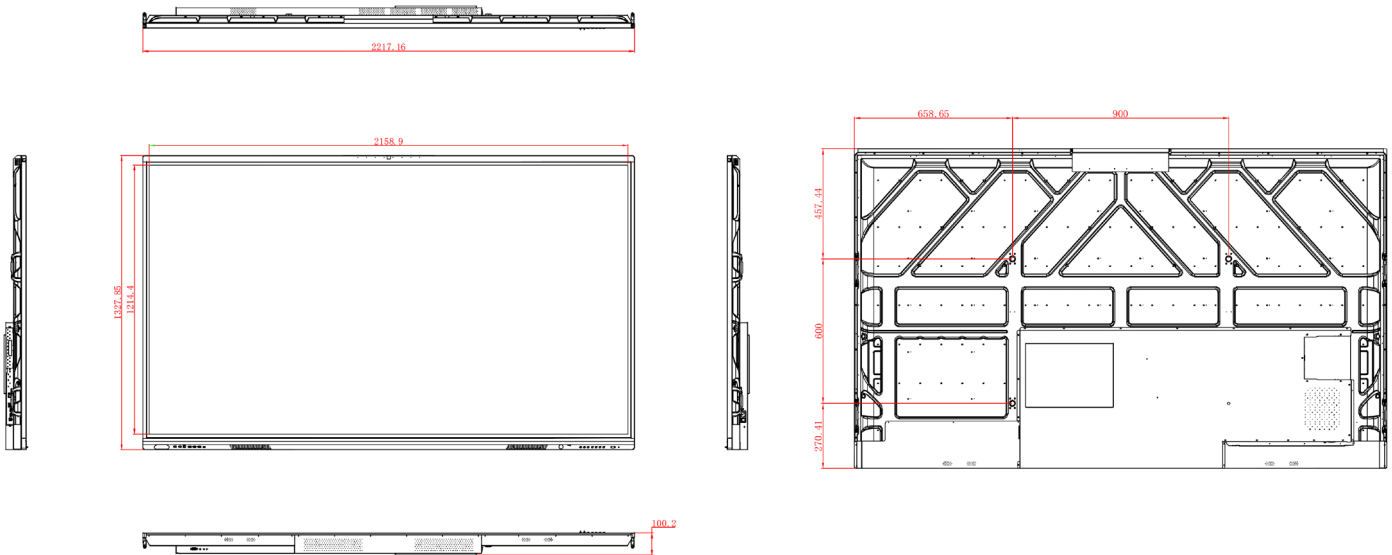
75 "



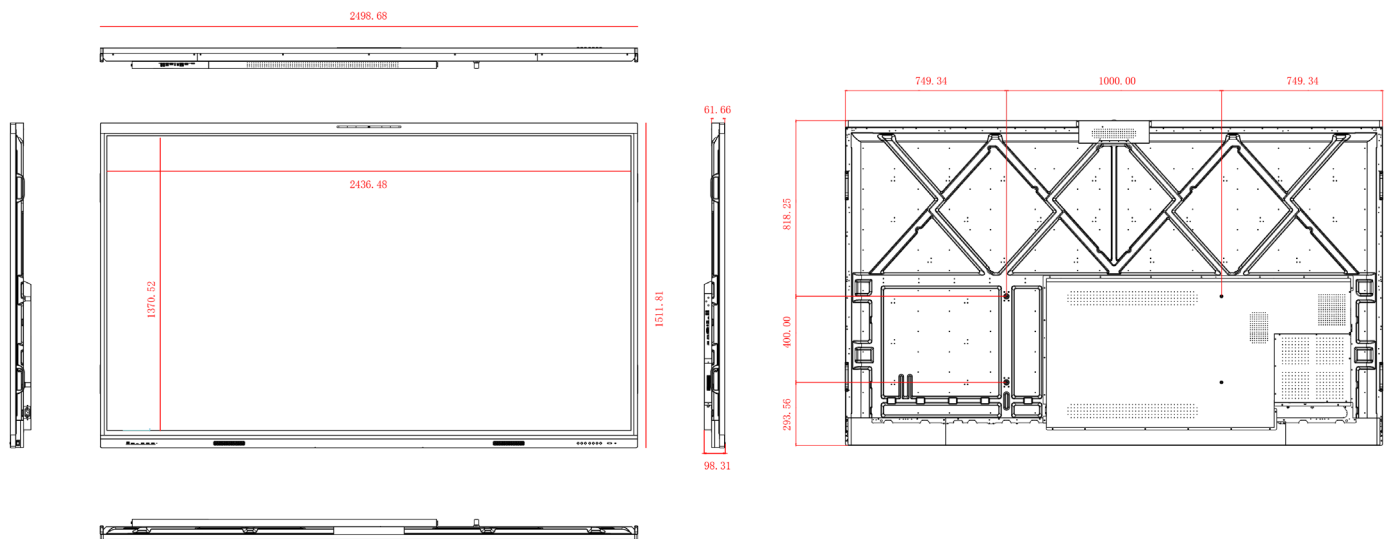
86 "



98 "



110 "



Specifications

Model		LTF65RK3588	LTF75RK3588	LTF86RK3588	LTF98RK3588	LTDC110RK3576
Display		65(inch)	75(inch)	86(inch)	98(inch)	110(inch)
Diagonal display size		65(inch)	75(inch)	86(inch)	98(inch)	110(inch)
Bezel color	Aluminum frame(Black/White/Customized)	√	√	√	√	√
Panel type	DLED	√	√	√	√	√
Active area (mm)	H * V	1428.48 * 803.52	1649.66 * 927.93	1895.04 * 1065.96	2158.85*1214.35	2436.48*1370.52
Resolution	3840*2160 /60hz	√	√	√	√	√
Pixel Pitch	mm x mm	0.372 x 0.372	0.429 x 0.429	0.4935 x 0.4935	0.5622*0.5622	0.6435*0.6435 mm
Hardness Glass	Mohs-7 level (Mohs-9 level for option)	√	√	√	√	√
Glass Panel	Anti-Glare glass with zero bonding	√	√	√	√	√
Aspect Ratio	16:9	√	√	√	√	√
Contrast Ratio	1200:1 (type)	√	√	√	√	√
Brightness	350cd/m2 (450cd/m2 for option)	√	√	√	√	√
Color depth	1.07 billion colors	√	√	√	√	√
Viewing angle	178°	√	√	√	√	√
Life span	50,000 hours	√	√	√	√	√
Touch						
Touch Technology	IR touch	√	√	√	√	√
Multi Touch	Max 40 points(Windows)/ Max 20 point (Android)	√	√	√	√	√
Touch Precision	1 mm (over 90% Area)	√	√	√	√	√
Auto-Calibration	Yes	√	√	√	√	√
Anti-light	Yes	√	√	√	√	√
Minimum object size	2mm	√	√	√	√	√
Touch Response Time	First Point <2 ms, Continuation <8 ms	√	√	√	√	√
Supporting OS	Windows 7/8/10/11; Android; Mac; Linux; Chrome OS	√	√	√	√	√
Speakers						
Front Speakers	15W*2(Option 20W*2)	√	√	√	√	√
Subwoofer	20W*1 Option	√	√	√	√	√
Microphone (Option)						
Type	Linear equidistant microphone array	√	√	√	√	√
Number of Microphones	8 mics	√	√	√	√	√
Auto switch (Windows/Central)	Yes	√	√	√	√	√
Camera (Option)						
Image sensor	48M	√	√	√	√	√
Maximum resolution	8000*6000@5fps 4200*3120@20fps 3840*1920@30fps	√	√	√	√	√
Lens	D=119 degree H=97 V=74	√	√	√	√	√
Front Side Connections						
Front Ports	Type-C * 1 line; HDMI IN * 3 line; USB3.0*2; USB-B*1					
Front Keys	Power On/Off; Signal Source; Home; Eco; Menu; Volume Down; Volume Up					
Back Side Ports						
Earphone	1	√	√	√	√	√
MIC IN	1	√	√	√	√	√
SPDIF OUT	1	√	√	√	√	√
RS232	1	√	√	√	√	√
Touch USB (USB B)	1	√	√	√	√	√
HDMI IN	1	√	√	√	√	√
HDMI OUT	1	√	√	√	√	√
RJ45	1	√	√	√	√	√
TYPE C OUT	1	√	√	√	√	√
Android USB2.0	1	√	√	√	√	√
Android USB3.0	1	√	√	√	√	√
TF CARD	1	√	√	√	√	√
WIFI	WIFI5+WIFI6+AP	√	√	√	√	√
Windows OPS Slot	80-pins OPS slot	√	√	√	√	√
Bluetooth version	5.2	√	√	√	√	√
Android Info						
Android Version	Android 15.0	√	√	√	√	√
Chip	Rockchip RK3588	√	√	√	√	√
CPU	quad-core Cortex-A76 and quad-core Cortex-A55, 2.2~ 2.4GHz	√	√	√	√	√
GPU	Mali-G610 MC4	√	√	√	√	√
NPU	6T	√	√	√	√	√
RAM	8GB 16GB 32GB DDR4	√	√	√	√	√
Flash	128GB 256GB	√	√	√	√	√
Supporting OS	Windows; Mac; Linux; Chrome OS	√	√	√	√	√
Over-the-Air Updates (OTA)	Yes	√	√	√	√	√
Light Sensor	Yes	√	√	√	√	√
NFC Reader/Writer	Option	√	√	√	√	√
Temperature, humidity and air quality three-in-one sensor	Option	√	√	√	√	√
Fingerprint module	Option	√	√	√	√	√
General Information						
Power Supply	~ 100-240 V (50/60Hz)	√	√	√	√	√
Standby Energy Consumption	≤ 0.5 W	√	√	√	√	√
Power Consumption		Maximun< 290W Eco<75W	Maximun< 320W Eco<75W	Maximun< 350W Eco<75W	Maximun< 510W Eco<75W	Maximun < 750W Eco<75W
Net Weight	(KG±2)	45	55	70	110	120
Gross Weight	(KG±2)	55	68	85	120	150
Screen Dimensions	(WxDxH)	1485 *102*900mm	1707*102*1025 mm	1953*102*1164 mm	2050*103*1207mm	2498.68*98.31*1511.81mm
Dimensions Package	(WxDxH)	1596*175*1020 mm	1818*165*1120mm	2055*168*1272mm	2335*175*1457mm	2680*340*1780mm
VESA Standard	(mm)	400*500 mm	400*700 mm	600*800 mm	600*800	1000*400mm
Working environment						
Operating Temperature	0°C - 40°C/32 - 100 °F	√	√	√	√	√
Storage Temperature	-20°C - 60°C/-4 - 140 °F	√	√	√	√	√
Storage Humidity	10 % - 90 %	√	√	√	√	√
Usage Humidity	10 % - 90 %	√	√	√	√	√
Accessories						
Accessories	WIFI antenna * 3; inkless pen * 2, remote control * 1, 1.5m power cord * 1, 1.5m HDMI cable * 1, 1.5m USB touch cable * 1 (optional 3m, 5m); wall mounting kit					