

Transforming Learning and Collaboration with Interactive Excellence

Armor Interactive Flat Panel

55" 65" 75" 86"

ARM Series



* All images in this datasheet are for illustrative purposes only.



ANNOTATE



BROWSE



CONFERENCE



PRESENT



WHITEBOARD



OPS

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ARMOR
TECHNOLOGY PTE. LTD.

Key Features

SLIM FRAME DESIGN

Experience the elegance of our Armor Interactive Flat Panel with its sleek and slim frame design, crafted with a sturdy metal structure. The slim frame not only adds a touch of sophistication to any space but also maximizes the viewing area, allowing you to immerse yourself in a seamless and uninterrupted visual experience. With our innovative metal structure, you can trust in the durability and long-lasting performance of our interactive display, ensuring a reliable and robust solution for all your collaborative needs. Embrace the perfect blend of style and strength with Armor Interactive Flat Panel.



SMART ANNOTATION

Smart Annotation allows you to annotate and mark up content directly on the interactive display in real time. Whether you're highlighting important points, drawing diagrams, or adding notes, Smart Annotation intelligently recognizes and preserves your annotations. This means that even if you move, resize, or scroll the content, your annotations stay in place, providing a seamless and coherent presentation. Experience the convenience and efficiency of Smart Annotation with our Armor Interactive Flat Panel, and take your interactive collaboration to the next level.

ANTI-GLARE TEMPERED GLASS

Experience pristine clarity like never before with our Armor Interactive Flat Panel's advanced 4mm anti-glare tempered glass. Designed to withstand the test of time, our tempered glass is rated at Mohs 7H hardness, providing exceptional scratch resistance and durability. Say goodbye to annoying glare and reflections that hinder your viewing experience. Our anti-glare technology ensures optimal visibility, even in bright lighting conditions. With its light-resistant properties, our tempered glass maintains excellent clarity, allowing every detail to shine through with vividness and precision.



4K UHD DISPLAY

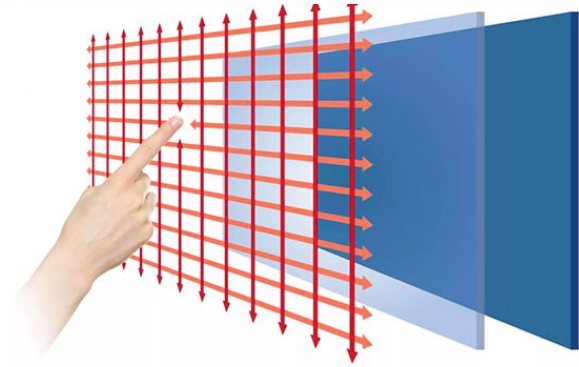
Experience unparalleled visual brilliance with our Armor Interactive Flat Panel's 4K UHD display. Boasting a stunning resolution of 3840 x 2160 pixels, our display brings your content to life with exceptional clarity and detail. Whether you're presenting multimedia content, engaging in video conferences, or delivering interactive lessons, our 4K UHD display ensures a truly immersive and captivating viewing experience.

Not only does our display support 4K resolution, but it also offers full-channel 4K UI display capabilities.

Key Features

INFRARED TOUCH ACCURACY

Experience precise interaction like never before with our Armor Interactive Flat Panel's infrared touch technology, boasting an impressive $\pm 2\text{mm}$ accuracy. Every touch is detected with exceptional precision, allowing for seamless and accurate input. Whether you're navigating menus, annotating content, or collaborating on projects, our infrared touch technology ensures a smooth and responsive touch experience. Not only does our touch technology deliver accuracy, but it also provides a smooth writing experience. With minimal latency and natural pen-like responsiveness, you can effortlessly write, draw, and annotate on the screen.



RESPONSE TIME

Experience ultra-responsive performance with our Armor Interactive Flat Panel's impressive response time of just 8ms. With such a rapid response, the display ensures minimal lag and virtually eliminates motion blur, delivering smooth and fluid visuals. Whether you're engaging in fast-paced multimedia content, interactive applications, or gaming, our Armor Interactive Flat Panel provides a seamless and immersive experience.



BUILT-IN STEREO SPEAKERS

Immerse yourself in rich, high-quality sound with our Armor Interactive Flat Panel's built-in Stereo Hybrid Dual Channel speakers. With a power output of $15\text{W} \times 2$, these speakers deliver an immersive audio experience that enhances your multimedia presentations, video conferences, and overall viewing enjoyment. Whether you're watching videos, participating in virtual meetings, or engaging in interactive learning, our Armor Interactive Flat Panel's built-in speakers provide superior audio performance, amplifying your content and creating an immersive audiovisual experience.



FRONT CONNECTIVITY

Our Armor Interactive Flat Panel offers a variety of connectivity options:

- Front Touch *1: Intuitive and responsive touch interface.
- HDMI IN *1: Connect external devices.
- USB *3: Access USB storage and peripherals.
- Type-C *1: (Customizable for power charge and full functionality).

Specifications

Android System	
Mainboard	T982
CPU	Ouad-Core A55
GPU	Mali-G52
RAM	4G
ROM	32G
Android Version	Android 11.0
Touch	
Touch Technology	Infrared Technology
Input Methods	passive infrared pen
Touch Precision	±2mm
Touch Points	40 points touch
Minimum Object Size	3mm
Writing Height	≤3mm
Touch Resolution	32768(W)×32768(D)
Response Time	≤8ms
Front facing keys&buttons	8 front buttons
Supported Compatibility	Windows10/Windows8/Windows7/WindowsXP/Android/Linux/Mac OS X/Chrome
I/O Port	
Connectivity	HDMI IN *3 (front*1), HDMI OUT *1, USB 5 * (front*3), USB Type-C *1 (front), TOUCH 2.0 *2 (front*1), AUDIO IN *1 (optional) SPDIF OUT *1, Earphone OUT *1, RS232 *1, RJ45 IN *1, AV OUT *1, AV IN *1
Power	
Input Voltage	180-240V~50/60Hz
Power Consumption	➤ 55"/65" : 170W ➤ 75" : 280W ➤ 86" : 330W
Standby Power Consumption	≤0.5W
Speaker	
Channel	2.0
Speaker Power	2 x15W
Wifi Module	
Wireless Module	2.4G +5G WIFI
Bluetooth	5.2

Specifications

OPS Module

OPS Model	I3/I5/I7
OPS Input Voltage	19V DC
Rated Output Current	5.0A
Peak Output Current	*6.0A
Rated Power	95W
Support Interface	Conform to Intel® OPS-C JAE 80-pin connector
OPS Dimension	L196*W180*H33~42mm (Recommended Height: 33mm)
OPS Image Resolution	Support 3840*2160p@30Hz for output

Environment

Working Temperature	0° ~40°
Working Humidity	10%~90%RH
Storage Temperature	-20° ~60°
Storage Humidity	10%~90%RH

Display

Model	ARM5502	ARM6502	ARM7502	ARM8602
Panel Type	IPS			
Backlight Type	DLED			
Display Area (mm)	1209(H)×680(V)	1430(H)×805(V)	1649(H)×927(V)	1849(H)×1066(V)
Resolution	3840(H)×2160(V)			
Brightness (Typ.)	350cd/m ²			
Contrast Ratio (Typ.)	4000:1			
Viewing Angle	H/V: 178/178°			
Aspect Ratio	16 : 9			
Response Time	8ms			
Refresh Rate	60Hz			
Saturation (x% NTSC)	72%			
Display Color	1.07B (10bit)			
Screen Lifespan	≥30000hrs			

Structure (Unit: mm)

VESA Mount Size (L*W)	500×400	600×400	600×400	800×400
Wall Mount Bracket Screw	M8×25mm			

Accessories

Power Cable *1, Touch Pen *1, Wall Mount Bracket *1, User Manual *1