

M6A Pro V2

Google EDLA Certified All-in-One Collaboration Display
65" | 75" | 86" | 98" Special Order



MODEL-SPECIFIC DATA

Specification	65"	75"	86"	98" - Special Order
Model	65M6AProV2	75M6AProV2	86M6AProV2	98M6AProV2
Brightness	460 cd/m2	470 cd/m2	470 cd/m2	400 cd/m2
Contrast ratio	5000:1 (Dynamic)	5000:1 (Dynamic)	5000:1 (Dynamic)	5000:1
Display response time	8ms	8ms	8ms	8ms
Active display area	1428.48 x 803.52mm	1649.664 x 927.936mm	1895.04 x 1065.96mm	2171.848 x 1232.352mm
Max. power, without OPS	260W	300W	380W	528W
Standby power	<0.5W	<0.5W	<0.5W	<0.5W
Front USB-C power delivery	65W	65W	65W	45W
Touch response	<=6ms	<=6ms	<=8ms	<=8ms
AG toughened glass	3.2mm	3.2mm	3.2mm	4mm
Net weight	39.5kg +/-1.5kg	53.2kg +/-1.5kg	68.1kg +/-1.5kg	105kg +/-1.5kg
Gross weight	48.5kg +/-1.5kg	63.6kg +/-1.5kg	81.2kg +/-1.5kg	151kg +/-1.5kg
Product size W x D x H	1496 x 87 x 892mm	1717 x 88 x 1016mm	1963 x 88 x 1154mm	2240 x 104 x 1331mm
Package size W x D x H	1640 x 185 x 1010mm	1860 x 185 x 1125mm	2095 x 185 x 1265mm	2470 x 325 x 1611mm
VESA	600 x 400mm	800 x 400mm	800 x 600mm	800 x 600mm

DISPLAY / PANEL	Confirmed specification
Backlight	D-LED
Resolution / aspect ratio	3840 x 2160 (4K UHD), 16:9
Refresh rate	60Hz
Viewing angle	178 degrees H / 178 degrees V
Colour gamut	85% NTSC
Display colours	1.07 billion colours (10-bit)
Display life	50,000 hours
Anti-glare protection	AG toughened glass
Surface hardness	9H (65/75/86); 98: Mohs 7
Bonding	Zero Bonding stated for 65/75/86
Screen class	Class A screen stated for 65/75/86
Bezel	20.3mm ultra-narrow border stated for 65/75/86
Eye protection	Blue-light filtering mode
Auto brightness	Automatic brightness adjustment via light sensor

SMART SYSTEM	Confirmed specification
Google	Google EDLA Certified
Google ecosystem	Google Play and core Google services / apps
Operating system	Android 14.0
Chipset	A311D2
CPU	8-core Cortex A73 + A53
CPU frequency	2.0GHz to 2.2GHz
GPU	Mali G52-MP8
RAM	16GB LPDDR4X
Storage	256GB internal
Expansion	Micro SD / TF support (optional before delivery)
Wi-Fi	Wi-Fi 6 + Wi-Fi 5 dual-Wi-Fi design
Bluetooth	Bluetooth 5.3
NFC	Integrated
OPS	Optional Windows 11 Pro OPS module

TOUCH & WRITING

Touch technology	High-precision infrared touch frame
Touch accuracy	Up to +/-1mm
Writing latency	<30ms
Interpolation resolution	32768 x 32768
Output mode	HID standard
Minimum touch object	Single touch >=1.6mm; multiple touch >=2mm
Connection	USB 2.0 Full Speed
Multi-touch OS support	Windows 11/10/8/7 and Android
Single-touch OS support	Windows XP, Mac OS X, Linux and Chrome
Writing tools	2 writing pens plus finger touch; dual pen-detection sensors
Pen-detection behaviour	Removing a pen can call up Whiteboard / Annotation depending on screen context

CAMERA, MICROPHONE, AUDIO & SENSORS

Feature	Confirmed specification
Camera system	Integrated quad-camera: 48MP main camera + 3 x 8MP secondary cameras
Main camera FOV	H99.7 degrees / V67.4 degrees / D107.9 degrees
Secondary camera FOV	H105 degrees / V43 degrees
Camera capability	Multi-focal 4K view, telephoto close-up, intelligent framing, speaker tracking / speaker mode, sound localisation and electronic gimbal
Camera modes	Auto framing, EPTZ and Gallery Mode with up to 8 people/views
Microphone position	Upper-front, integrated array
Microphones	8-microphone array
Pickup	12m, 180 degrees
Audio processing	AEC, AGC, speech enhancement and intelligent noise reduction
AI Acoustic Engine 3.0	Filtering of 300+ common meeting-room noises and echoes
Speakers	2 x 20W high-fidelity speakers
Subwoofer	1 x 20W subwoofer
Audio architecture	Independent high, mid and low audio units
Sensors	Infrared, NFC, light sensor and pen-detection sensors

FRONT I/O

Interface	Qty	Confirmed specification
USB-C	x1	Full-function / DRP; up to 3840 x 2160 @ 60Hz; 65W PD on 65/75/86 and 45W on 98
USB 3.0 Type-A	x2	Public USB ports

REAR / MAINBOARD I/O

Interface	Qty	Confirmed specification
HDMI IN	x2	HDMI 2.0; up to 3840 x 2160 @ 60Hz; HDMI 1 supports ARC
DisplayPort IN	x1	DP 1.2a; up to 3840 x 2160 @ 60Hz
USB-C	x1	DFP mode; 15W PD; up to 3840 x 2160 @ 60Hz
VGA IN	x1	Up to 1920 x 1080 @ 60Hz
AUDIO IN	x1	3.5mm analogue audio input
LAN	x2	10/100/1000Mbps RJ45 Gigabit Ethernet; dual-LAN design can also act as a network switch
USB 2.0 Type-A	x1	Android use; media playback and firmware upgrade
USB 3.0 Type-A	x2	Public / smart-follow USB; media playback
Touch USB Type-B	x3	Touch return for HDMI1 / HDMI2 / DP / VGA
MIC IN	x1	3.5mm microphone input
SPDIF	x1	Optical digital audio output
RS232 IN	x1	DB9 control interface
AUDIO OUT	x1	3.5mm analogue audio output
Micro SD / TF	x1	TF / Micro SD support; technical sheets mark this as optional before delivery
HDMI OUT	x1	HDMI 2.0; up to 3840 x 2160 @ 60Hz; mirrors active channel
OPS		Optional Windows OPS module supported

GOOGLE EDLA, AI & SMART MEETING FEATURES

- **Google EDLA Certified:** access to Google Play and Google core services / applications.
- **AI Q&A:** questions via keyboard or voice input.
- **AI image creation:** generate images from typed or spoken descriptions.
- **Real-time subtitles:** converts speech to live on-screen text.
- **Real-time Translation:** multilingual live translation during meetings.
- **Translation & Read Anything:** select on-screen text for language recognition, translation and read-aloud.
- **Speaker recognition / speaker mode:** combines sound-source localisation and face detection.
- **AI intelligent framing:** automatically adjusts framing based on participant number and position.
- **AI Sticky Notes:** generates editable keyword-based notes.
- **AI Mind Map:** generates an editable mind map from a topic and requirements.
- **AI Quiz:** creates questions from supplied keywords.
- **AI intelligent search:** analyses selected whiteboard content and returns interpretation, images and web results.
- **AI Question Generation:** available from selected whiteboard content.
- **Handwriting Recognition:** integrated into the whiteboard toolkit.
- **Quick Search:** included within Horion AI smart whiteboard functions.
- **AI Acoustic Engine 3.0:** 12m pickup with intelligent processing and 300+ common noise / echo filters.

SCREEN SHARING, BYOM & MULTI-SCREEN COLLABORATION

- **Wireless protocols:** KShare, AirPlay, Miracast, DLNA and Google Cast.
- **Device compatibility:** Android, iOS, macOS and Windows.
- **Wired sharing:** HDMI, DisplayPort, VGA and USB-C.
- **9-way split-screen:** up to 9 devices shown simultaneously; Horion introduction states up to 256 devices may connect, subject to network / hardware.
- **NFC one-touch projection:** quick projection from compatible NFC devices.
- **Reverse mirroring:** mirror the panel screen back to mobile, laptop or tablet.
- **Reverse touch:** control compatible shared content from the panel.
- **BYOM:** use a personal laptop with the panel camera and microphone for video conferencing.
- **Group projection:** synchronise one panel to up to 128 panels on the same network, subject to network / hardware.
- **Multiple windows:** side-by-side, dual-screen and four-way split-screen application working.
- **Multi-system operation:** interact with Windows OPS and external sources within Android multi-view.
- **Projection-code security:** connection code can be enabled to reduce unwanted or incorrect connections.
- **Screen-sharing privacy:** device name and Wi-Fi password can be hidden from the Screen Mirror home page.

WHITEBOARD, PRODUCTIVITY & DEVICE FEATURES

- **Happy Writing 3.0 Engine** and realistic canvas.
- **Pen pickup automation:** pen-detection sensors can launch Whiteboard or Annotation.
- **Global annotation:** pen can open annotation mode directly while hand touch remains available.
- **File support:** open .hwb files and save as .hwb, .pdf or .png to local disk, USB or network storage.
- **22-language handwriting recognition** plus follow-system language mode.
- **12 writing modes:** normal pen, brush, intelligent graphic pen, fountain pen, precise brush, paint brush, pen-tip writing, double-headed pen, colour fill, highlighter, handwriting-recognition pen and laser pen.
- **Selection tools:** delete, copy, mirror/reverse, text recognition, browser / YouTube / Wikipedia search and AI actions.
- **Smart Table,** maths tools, geometries, lattice and pattern tools.
- **Content insertion:** images, video, PDFs and other files into the whiteboard.
- **General tools:** sticky notes, mind maps, flow charts, split screen, YouTube search, file upload, annotation and text insertion.
- **Subject tools:** periodic table, planet, calculator, function plotting and instruments.
- **Remote whiteboard collaboration** with content sharing and QR-code sharing.
- **Horion Transfer:** QR file transfer from mobile without software download; supports Word, PPT, PDF, images, video, installation packages and compressed files.
- **Eye protection mode:** blue-light filtering.
- **Automatic brightness:** light sensor can adjust screen brightness to the environment.
- **NFC security:** NFC can unlock the screen and protected applications.
- **Scheduled power:** configurable start-up and shutdown timing.
- **Welcome Page:** scenario templates, background music and signature-wall mode.
- **Vote / Score Kit:** QR-code voting and scoring.
- **Agenda timer and Notes:** built-in meeting utilities.
- **OTA system update:** update Android system through Settings.
- **Security:** integrated encryption engine stated in Horion brochure.

WIRELESS / NFC TECHNICAL DETAILS

Feature	Confirmed specification
Wi-Fi 6	2.4GHz / 5GHz; 802.11a/b/g/n/ac/ax
Wi-Fi 5	2.4GHz / 5GHz; 802.11a/b/g/n/ac
Dual-Wi-Fi function	Independent screen projection while maintaining network access
Bluetooth	Bluetooth 5.3
NFC standard	ISO/IEC 14443 A / ISO/IEC 14443 B
NFC card types	MIFARE / FeliCa
NFC read/write distance	<30mm
NFC read/write speed	106 to 424kbps
NFC read/write latency	<100ms

ENVIRONMENT & ACCESSORIES

Environment	Confirmed specification	Accessories	Confirmed specification
Operating temperature	0 C to +40 C	Included in technical sheets	Remote control x1, writing pens x2, wall mount x1, instructions x1, warranty card x1, quality certificate label x1 and regional power cord(s)
Storage temperature	-10 C to +60 C	Cables stated in M6AProV2 introduction	3m HDMI cable x1 and 3m USB A-B touch cable x1
Operating humidity	20% to 80% RH, non-condensing	Optional in M6AProV2 introduction	Smart pen x1 and screen-mirroring device x1
Storage humidity	10% to 80% RH, non-condensing		
Operating altitude	<=5000m		
Maximum stated service time	18 hours x 7 days		

Specifications compiled from current official Horion M6AProV2 technical sheets, M6AProV2 introduction, brochure and Horion Global product page. Size-specific values use the model-specific technical sheets. Manufacturer specifications are subject to revision.

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