

Samsung Interactive Pro

WMB Flip Pro Series

Interactive brilliance. Inspired classroom learning.



Bring inspired learning to life

What is Samsung Interactive Pro?

Introducing Samsung Interactive Pro, the premium interactive display that brings inspired learning to life. With intuitive writing, comprehensive connectivity, smart solutions and brilliant hardware, Samsung Interactive Pro provides both educators and students with boundless resources and great flexibility to create engaging learning. Experience unlimited learning possibilities with Samsung Interactive Pro.

Technology highlights



The display shows a solar system graphic with planets labeled: Uranus, Saturn, Earth, and Mercury. Handwritten annotations include a yellow arrow pointing to Earth with the text "it is this planet?", and a yellow box around the word "Earth". Another yellow box around Saturn has the word "Saturn" written next to it.

Touch & Writing

- Fast & multi-touch
- Intuitive writing & drawing

Seamless connectivity for endless learning

- 3-in-1 USB-C port
- AirPlay 2
- SmartView+
- OPS slot

Solutions to spark new thinking

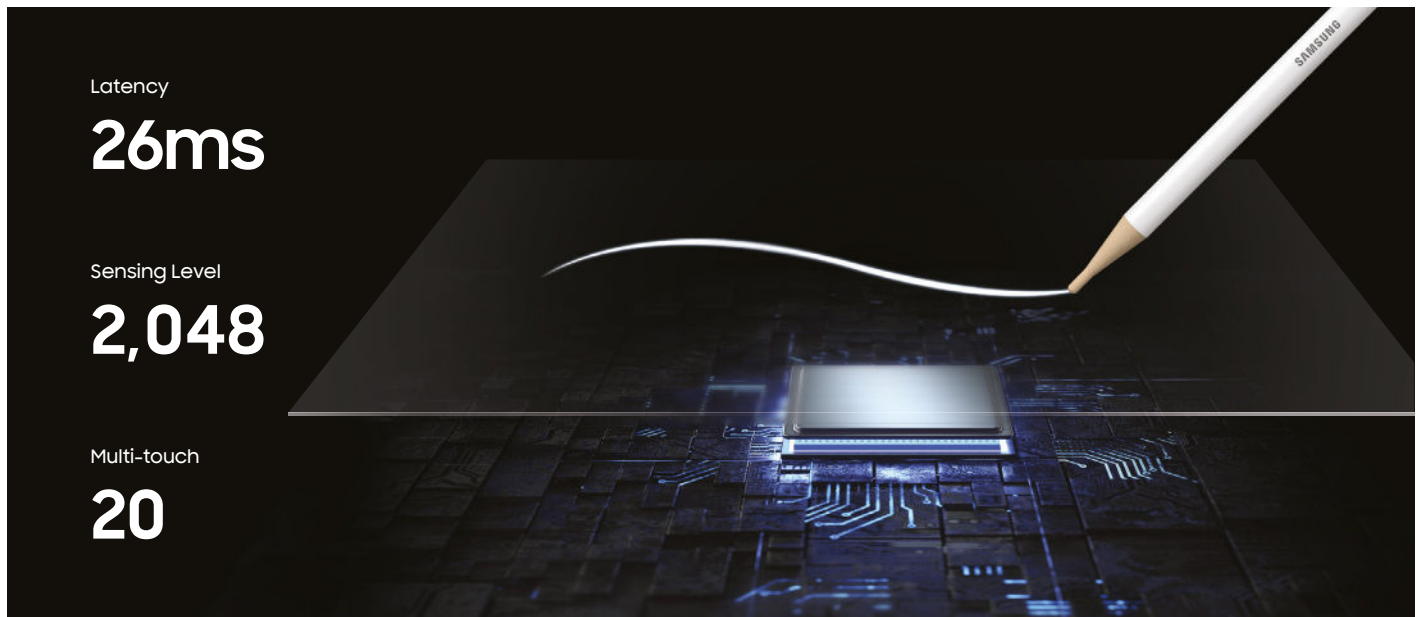
- Workspace
- Boxlight MimioConnect
- Video call application
- Remote content push

Hardware designed to educate

- 4Ch. 40W speaker
- Ambient light sensor
- Front panel
- Rear handle
- Antimicrobial Coating
- Shatterproof film



The display shows a solar system graphic with planets labeled: Mars, Venus, Earth, Uranus, and Saturn. Handwritten annotations include a yellow box around the word "Mars", and a yellow box around the word "Saturn".

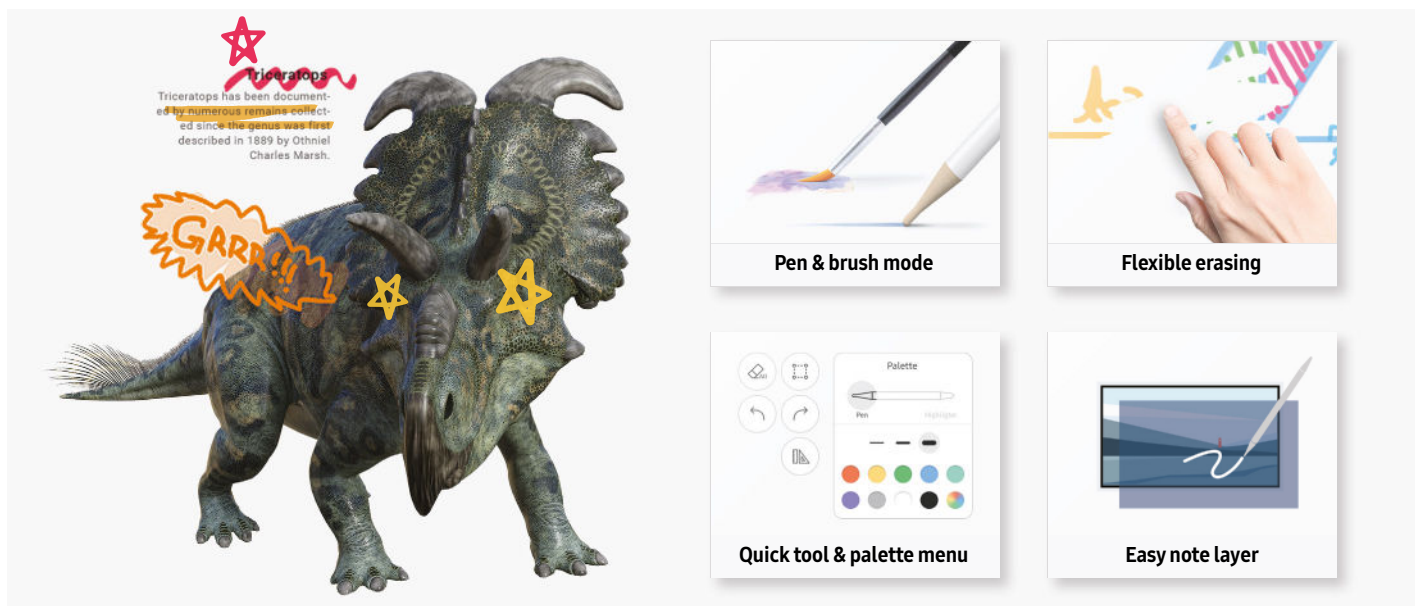


Fast & multi-touch

Better interaction with exceptionally responsive multi-touch

Samsung Interactive Pro creates a realistic, smooth writing and drawing experience with touch technology boasting 26ms* latency and 2,048 points of pressure built directly into the display. Industry-best touch latency was achieved by Samsung's proprietary prediction logic which analyzes user's writing patterns. Plus, Interactive Pro enables multi-touch for up to 20 people for enhanced interactivity.

* When using single touch.

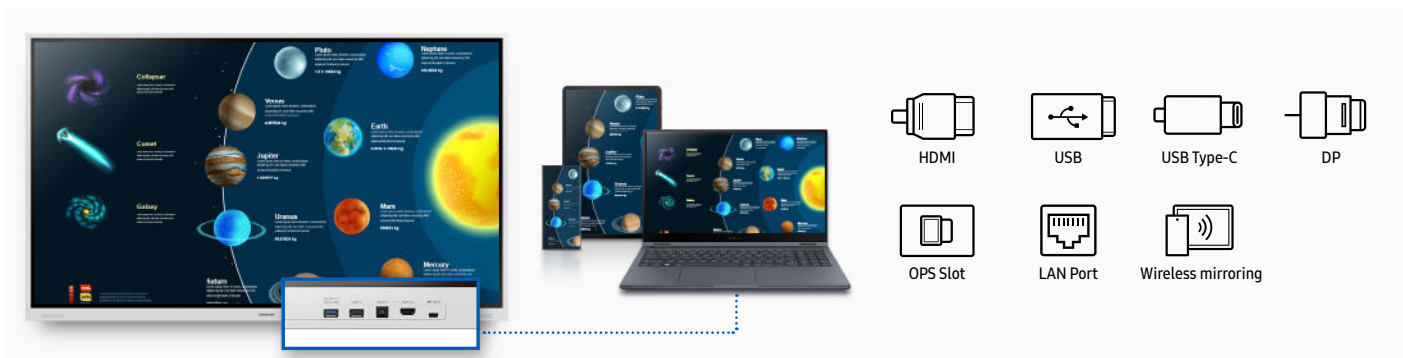


Intuitive writing & drawing

Bring ideas to life in an instant

Ideas are brought to life instantly on Interactive Pro with an intuitive user interface. Interactive Pro's unique pen and brush mode provides a real-world writing experience with various options, while flexible erasing requires just a swipe of your finger or palm. The quick tool and palette menu ensure creativity flows and toggle button easily enables a new note layer UI.

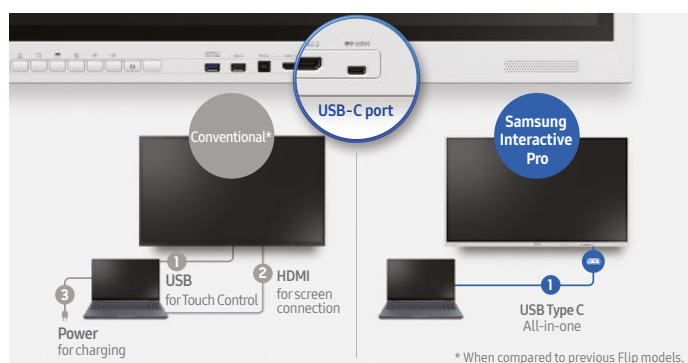
Seamless connectivity for endless learning



Seamless connectivity

Stay connected from any source

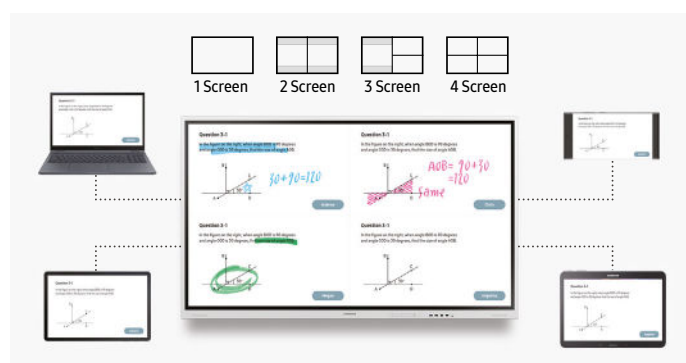
Interactive Pro provides multiple connectivity options, including USB, HDMI, DP and OPS slot. Educators can easily connect any device to access content and display information on a larger screen, as well as connect to any network and other devices through LAN port and wireless screen-mirroring.



3-in-1 USB-C port

One single port for three functions

Connectivity is enhanced with three-in-one USB Type-C connectivity, enabling screen mirroring, touch control and external device charging (max. 65W), allowing educators to deliver interactive and engaging lessons without any hassle.



SmartView+

Smart, wireless sharing from multiple devices

With SmartView+, up to 50 devices can be simultaneously connected to the interactive display wirelessly, in addition to enabling multi-view on up to four screens, ideal for larger meeting rooms as well as digitized classrooms.

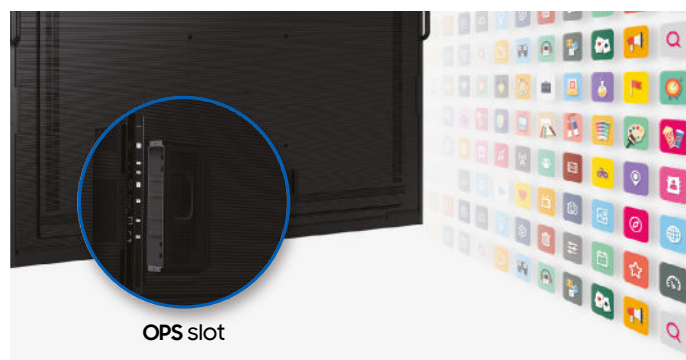


AirPlay 2

Share with AirPlay 2

Interactive Pro is integrated with AirPlay 2, allowing educators and students to present on the big screen, increasing visibility and engagement in larger spaces, while ensuring no student misses out on important information.

* All images are simulated for illustrative purposes. Actual UI may be different.



OPS Slot

Use your favorite third-party education solutions

With OPS (Open Pluggable Specification) slot*, Interactive Pro enables educators to use their third-party education solutions, allowing them to deploy school information systems (SIS), learning apps and tools.

* Sold separately.

Solutions to spark new thinking

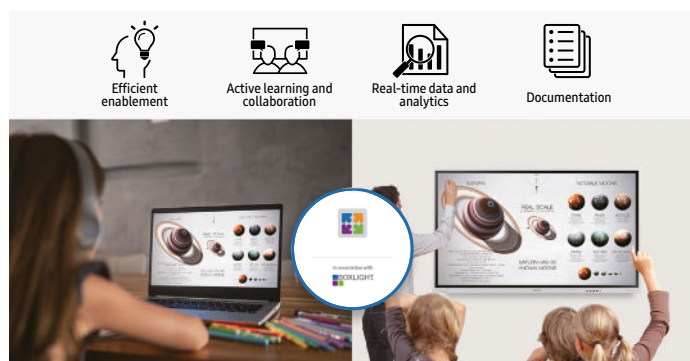


Workspace

Access whatever you need, from anywhere

With Workspace secured by Knox, Interactive Pro enables users to easily access remote PC, network drive and other third-party applications such as Office 365, VMWare, MimioConnect Blended Learning Platform and video call applications*. This ensures efficiency from any location and an uninterrupted workflow for educators and students.

* Available apps may vary by region and require service subscription.



MimioConnect Blended Learning Platform

Optimize lesson planning with embedded learning solution

Interactive Pro offers the MimioConnect* app, an online blended learning platform, providing an extensive catalog of versatile learning content.

* Service availability varies by region and requires Boxlight subscription.

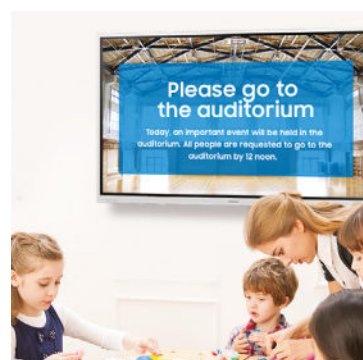
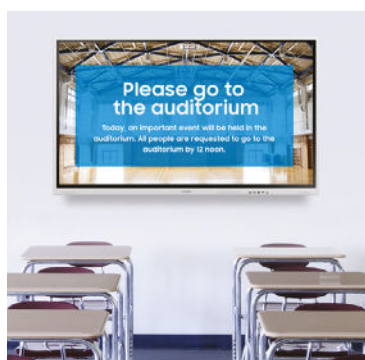
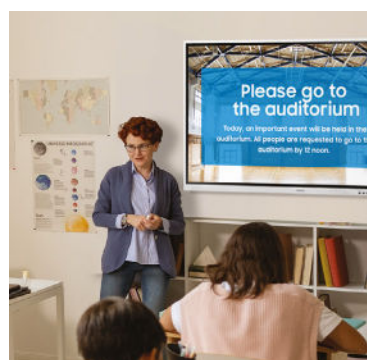
Video call application

Engage students wherever they are

Video conferencing* is supported on Interactive Pro based on the WebRTC (Real Time Communication) API, supporting apps such as Google Duo without the need for additional solution compatibility.

* Video call application will be available through a firmware update available Q2 2022. Webcam must be purchased separately.

** Supported webcam (9 models): Logitech C930e, C922, C922x, C925E, C920s, C920, C920-CC930C, Logitech Stream Cam.



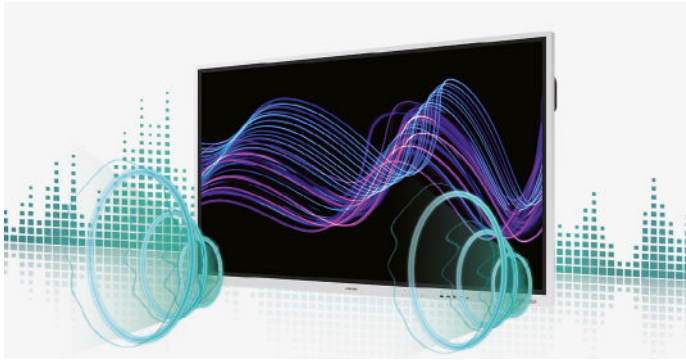
Remote content push

Keep informed with remote management solution

Using Samsung's MagicINFO Remote Management solution, Interactive Pro offers new functionality that pushes content, alerts and warnings from the school information system to the display, notifying teachers and students of important updates which can be pushed directly to Interactive displays in every classroom.

* Requires MagicINFO license to use this service and SIS(School Information Service) should separately built and integrated with MagicINFO.

Hardware designed to educate



4.0Ch. 40W speaker

Engage learners with immersive sound

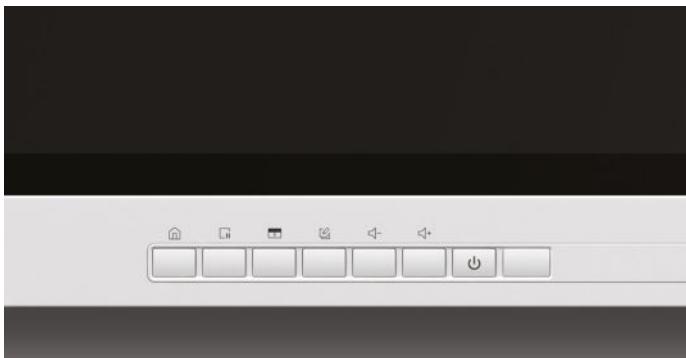
Interactive Pro offers powerful 4-channel 40-watt speakers front and backside to enhance students' listening experience, so they are more immersed in content when both watching and listening.



Ambient light sensor

Enjoy optimal content in any lighting conditions

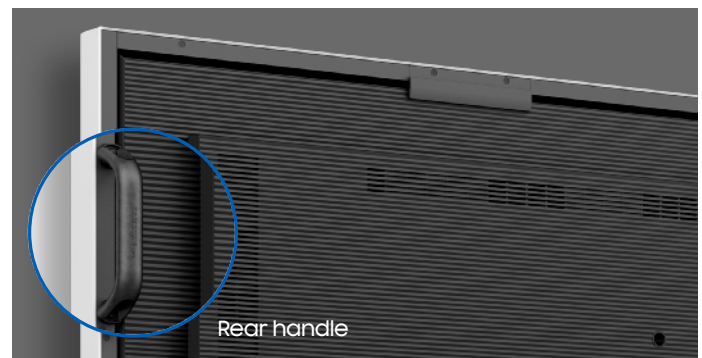
The screen of Interactive Pro is equipped with an ambient light sensor to adjust the brightness according to lighting conditions. Whether the classroom is bright or dark, content can be enjoyed to the fullest.



Front panel

Access frequently used menu directly

Use functions and hotkeys faster and easier. Interactive Pro puts the buttons that users most frequently use on the front panel so they can access more easily and intuitively.

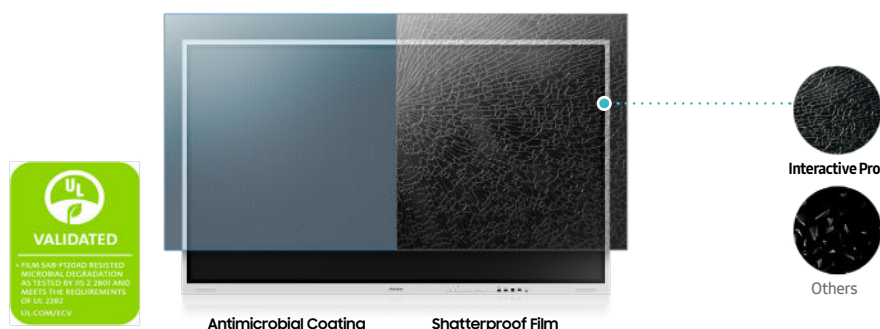


Rear handle

Easy moving. Less effort.

Move the Interactive Pro display freely anywhere in the classroom. The rear handle helps teachers move the large display easily with little effort.

* Requires separate standing mount to move which must be purchased separately.



Protective screen technology

Clean screen and minimized damage risk

Samsung Interactive Pro delivers peace of mind with a built-in Antimicrobial Coating which inhibits microbial growth. Plus, the Interactive Pro's display is wrapped in a proprietary shatterproof film, ensuring the screen stays intact in the event of a break.

* To perform its antibacterial function, this product has been treated with the biocidal substance Silver phosphate glass.

* Antibacterial property does not protect users against bacteria and provides no protection against viruses including Covid-19.

* Antimicrobial Coating is on surface of screen only and the effect may vary depending on conditions of use.



* Antibacterial certification: UL2282 which is granted when the antibacterial effectiveness is more than 99%.

(Test method(JIS Z 2801): after inoculation of 0.4cc of liquid with bacteria (Escherichia coli and Staphylococcus aureus) on specimen(5cm x 5cm), a sterilized film (4cm x 4cm) is adhered and left in a thermo-hygrostat with a relative humidity of 90% or more at 35°C for 24 hours, and then the efficiency of killing of the bacteria is measured / Test agency: KOTITI Testing & Research Institute)

Specifications

| Model | | | Interactive Pro (WMB Flip Pro Series) | |
|-------------------------|--------------------------------|------------------------|---|---|
| Panel | Diagonal Size | | 75" | 85" |
| | Type | | New Edge, 60Hz | New Edge, 60Hz |
| | Resolution | | 3,840 x 2,160 (Landscape) | 3,840 x 2,160 (Landscape) |
| | Brightness(Typ.) | | 350cd/m2 (without glass) | 350cd/m2 (without glass) |
| | Contrast Ratio(Typ.) | | 4,000:1 | 4,000:1 |
| | Viewing Angle(H/V) | | 178:178 | 178:178 |
| | Response Time(G-to-G) | | 6ms(Typ.) | 6ms(Typ.) |
| | Operation Hour | | 16/7 | 16/7 |
| Sound | Speaker Type | | Built in Speaker (40W 4CH) | Built in Speaker (40W 4CH) |
| Connectivity | INPUT | RGB | N/A | N/A |
| | | VIDEO | HDMI 2(Rear1, Front1), DP1, USB C(Front), OPS I/F | HDMI 2(Rear1, Front1), DP1, USB C(Front), OPS I/F |
| | | AUDIO | N/A | N/A |
| | | USB | 2(For SoC, Rear/Front), 1 (for external 3.0x1(Front)) | 2(For SoC, Rear/Front), 1 (for external 3.0x1(Front)) |
| | OUTPUT | RGB | N/A | N/A |
| | | VIDEO | N/A | N/A |
| | | AUDIO | 1(Stereo Mini Jack) | 1(Stereo Mini Jack) |
| | | Touch Out | Touch Out 2 (USB Upstream Type, Front1, Rear1) | Touch Out 2 (USB Upstream Type, Front1, Rear1) |
| | INTERNAL | SENSOR | N/A | N/A |
| | EXTERNAL | CONTROL | Touch Input RS232C thru stereo jack, RJ45(For MDC) | Touch Input RS232C thru stereo jack, RJ45(For MDC) |
| Touch | BT/WiFi | | Yes (Keyboard/Mouse, Speaker) | Yes (Keyboard/Mouse,speaker) |
| | Type | | IR | IR |
| | # of Drawing | | 20 touch (internal/external) * Whiteboarding app works 4 drawing | 20 touch (internal/external) * Whiteboarding app works 4 drawing |
| | Touch Pen Type | | Passive Pen with magnet | Passive Pen with magnet |
| | Object Recognition Range | | 2mm/ 4mm / 8mm / 50mm (Brush Mode : Dynamic Object Recognition) | 2mm/ 4mm / 8mm / 50mm (Brush Mode : Dynamic Object Recognition) |
| | Touch Response Time | | 6.7ms | 6.7ms |
| | Drawing Speed (Touch latency) | | 26ms | 26ms |
| | Haze | | 8%~12% | 8%~12% |
| | Thickness | | 3.2T | 3.2T |
| | Hardness | | Heat Semi-Strengthened Glass | Heat Semi-Strengthened Glass |
| Power | Additional Film | | AG Flim(Anti glare) Hydrophobic Coated PET (Shatter-proof flim) Antimicrobial Coating | AG Flim(Anti glare) Hydrophobic Coated PET (Shatter-proof flim) Antimicrobial Coating |
| | Type | | Internal (Main 1ea, OPS 1ea) | Internal (Main 1ea, OPS 1ea) |
| | Power Supply | | AC100-240V 50/60Hz | AC100-240V 50/60Hz |
| | Power Consumption | Max[W/h] | 473W(100-240V), 451W(220-240V), OPS(16V/4.5A) | 528W(100-240V), 506W(220-240V), OPS(16V/4.5A) |
| | | Typical[W/h] | 187W | 197W |
| | | Rating[W/h] | 430W(100-240V), 410W(220-240V), OPS(16V/4.5A) | 480W(100-240V), 460W(220-240V), OPS(16V4.5A) |
| | | Stand-by[W/h] | 0.5 | 0.5 |
| | BTU[W/h] | | 1612.93W(100-240V), 1537.91W(220-240V), OPS(16V/4.5A) | 1800.48W(100-240V), 1725.46W(220-240V), OPS(16V/4.5A) |
| Mechanical Spec | Dimension (mm) | Set | 1724 x 1026.3 x 89 mm / 67.8 x 40.4 x 3.5 in | 1945.8 x 1151.1 x 89 mm / 76.6 x 45.3 x 3.5 in |
| | | Package | 1905 x 1189 x 287 mm / 75 x 46.8 x 11.3 in | 2136 x 1318 x 260 mm / 84 x 51.8 x 10.2 in |
| | Weight (kg) | Set | 59.3 kg / 130.7 lbs | 75.2 kg / 11 lbs |
| | | Package | 72.2 kg / 159.2 lbs | 91.6 kg / 201.9 lbs |
| | Color | | White gray | White gray |
| | VESA Mount | | 400 * 400 | 600 * 400 |
| | Protection Glass | | Yes | Yes |
| | Stand Type | | Wall Mount | Wall Mount |
| | Media Player Option Type | | OPS Slot support | OPS Slot support |
| | Rotation | | Landscape only | Landscape only |
| Power Cable Length | | 3M / 2.4M(US) | 3M / 2.4M(US) | |
| Operation | Accessory | | Power Cord, USB Upstream Cable(2ea), Pen(2ea, Black), OPS Box, Warranty/QSG | Power Cord, USB Upstream Cable(2ea), Pen(2ea, Black), OPS Box, Warranty/QSG |
| | Operating Temperature | | 0°C~ 40°C | 0°C~ 40°C |
| | Humidity | | 10 ~ 80%, non-condensing | 10 ~ 80%, non-condensing |
| Feature | Key | | Flip App | Flip App |
| | Orientation | | Landscape | Landscape |
| | H/W | | Touch Overlay(IR), Front Connectivity, OPS I/F Support(w/OPS Box) Built in Speaker(40W 4CH), WiFi/BT Module Embedded Flip S/W (whiteboarding app) | Touch Overlay(IR), Front Connectivity, OPS I/F Support(w/OPS Box) Built in Speaker(40W 4CH), WiFi/BT Module Embedded Flip S/W (whiteboarding app) |
| | S/W | First screen | Document viewer SmartView+ Video player Web browser Workspace (RDP/VNC, Office365, VMWare) Edu tool mimioconnect(N.America Only) | Document viewer SmartView+ Video player Web browser Workspace (RDP/VNC, Office365, VMWare) Edu tool mimioconnect(N.America Only) |
| | | WebRTC | Yes | Yes |
| | | Upgradable web engine | Yes | Yes |
| | | SmartView+ | Yes | Yes |
| | | Airplay | Ready to update ('22.5) | Ready to update ('22.5) |
| | | Platform | Pontus-M (Tizen 6.5) | Pontus-M (Tizen 6.5) |
| | | Processor | Cortex A72 1.7GHz Quad-Core CPU 2MB L2 | Cortex A72 1.7GHz Quad-Core CPU 2MB L2 |
| | Internal Player (Embedded H/W) | Storage | 32GB (2.65GB Occupied by O/S, 29.35GB Available) | 32GB (2.65GB Occupied by O/S, 29.35GB Available) |
| | | Operating System | Tizen 6.5 : Samsung Proprietary OS(VDLinux) | Tizen 6.5 : Samsung Proprietary OS(VDLinux) |
| | | | 802.1x(WPA2 Enterprise) : EAP-TLS, EAP-TTLS, EAP-PEAP | 802.1x(WPA2 Enterprise) : EAP-TLS, EAP-TTLS, EAP-PEAP |
| Accessories | Included | | Power Cord, USB Upstream Cable(1ea), Pen(2ea), Warranty/QSG | Power Cord, USB Upstream Cable(1ea), Pen(2ea), Warranty/QSG |
| | Optional | Stand | N/A (3rd party company stand can be supported through VESA) | N/A (3rd party company stand can be supported through VESA) |
| | | Mount | WMN6575SE | WMN8200SF |
| | | OPS Box | CY-PBRK200 | CY-PBRK200 |
| 3rd party compatibility | | Logitech RallyBar Plus | Logitech RallyBar Plus | |

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