

Samsung Flip Pro WMB Series

Unlimited learning possibilities.



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Smart Signage

For more information about Samsung Smart Signage WMB Displays, visit www.samsung.com/business or www.samsung.com/displaysolutions

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Take every learning experience to the next level

What is Flip Pro?

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

Technology highlights



Touch & Writing

- Fast & multi-touch
- Intuitive writing & drawing

Connectivity

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

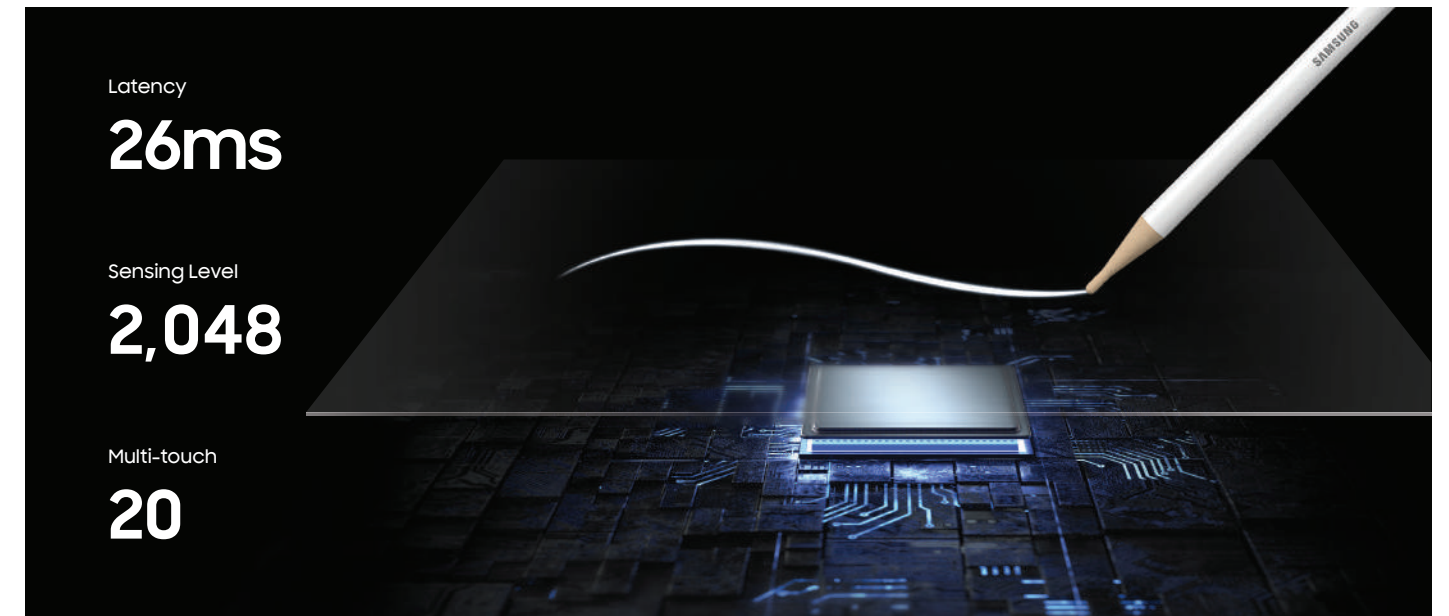
Solution

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

Hardware

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

Touch & Writing



Latency
26ms

Sensing Level
2,048

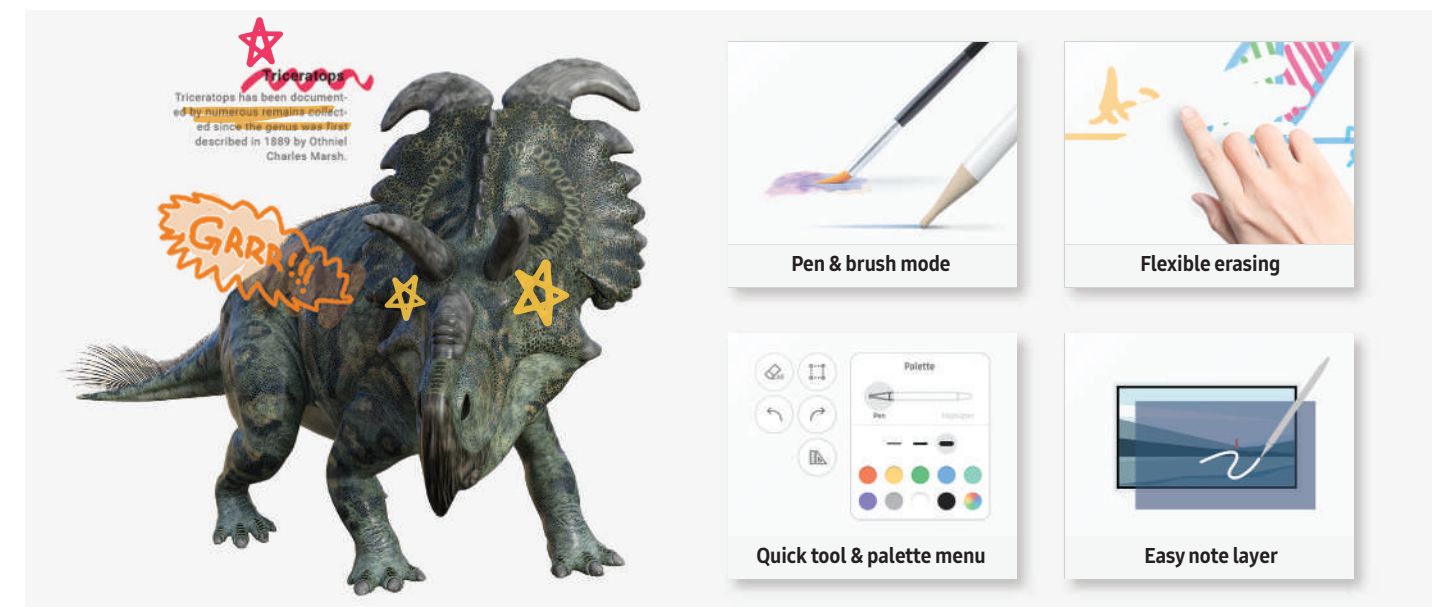
Multi-touch
20

Fast & multi-touch

Better interaction with best-in-class multi-touch

Samsung Flip Pro creates a realistic, smooth writing and drawing experience with touch technology with 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, Flip Pro enables multi-touch for up to 20 people for enhanced interactivity.

* When using single touch.



Pen & brush mode

Flexible erasing

Quick tool & palette menu

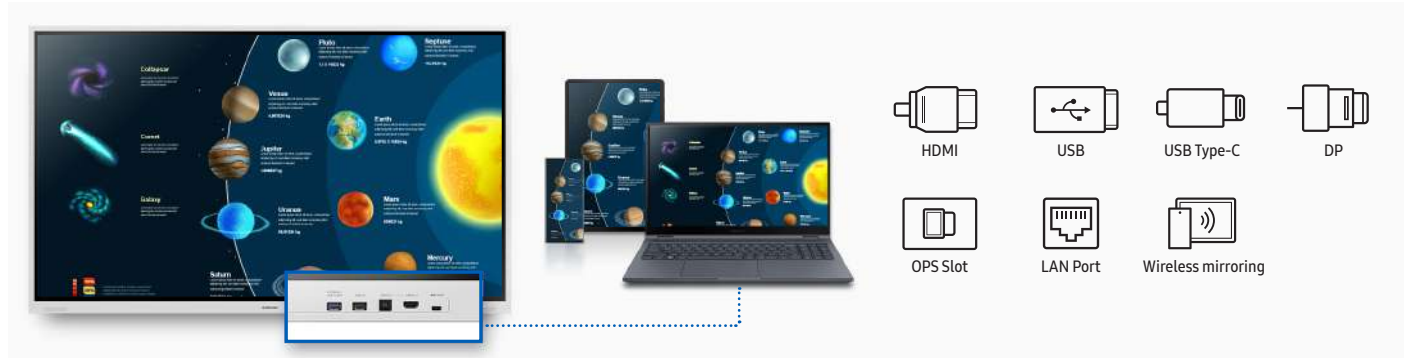
Easy note layer

Intuitive writing & drawing

Bring ideas to life in an instant

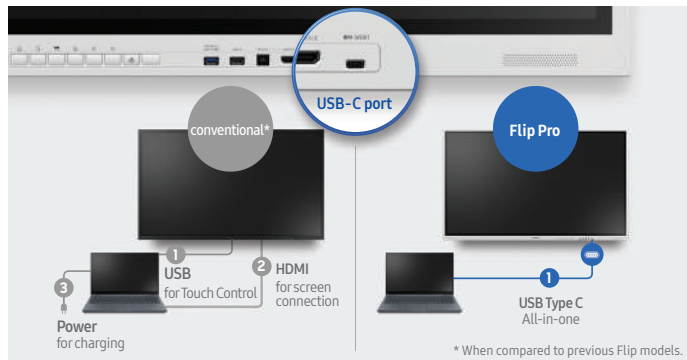
Ideas are brought to life instantly on Flip Pro with an intuitive user interface. Samsung Flip's unique pen and brush mode provides a real-world writing experience with various options, while flexible erasing requires just a swipe of your finger or palm. The quick tool and palette menu ensure creativity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

* All images are simulated for illustrative purposes.



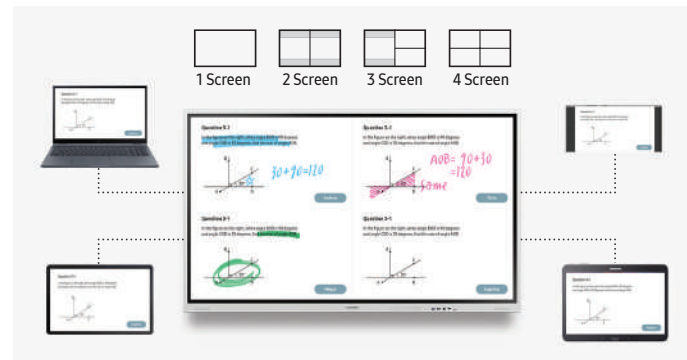
Versatile connectivity
Stay connected from any source

Flip 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

Flip 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.



OPS Slot
Use your favorite third-party education solutions

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

* Sold separately.

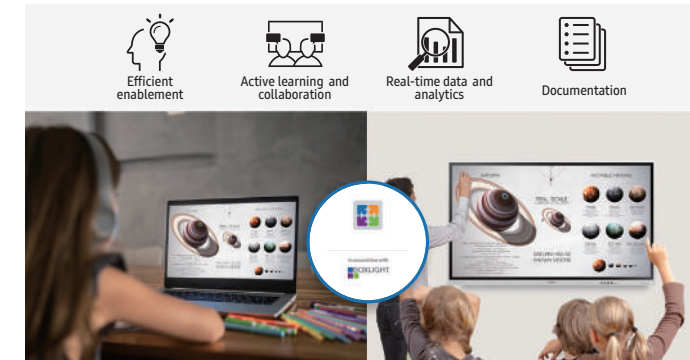
* All images are simulated for illustrative purposes. Actual UI may be different.



Workspace
Access whatever you need, from anywhere

With Workspace secured by Knox, Flip Pro enables users to easily access remote PC, network drive and other third-party applications such as Office 365, VMWare, Boxlight MimioConnect 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.



Boxlight MimioConnect
Optimize lesson planning with embedded learning solution

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

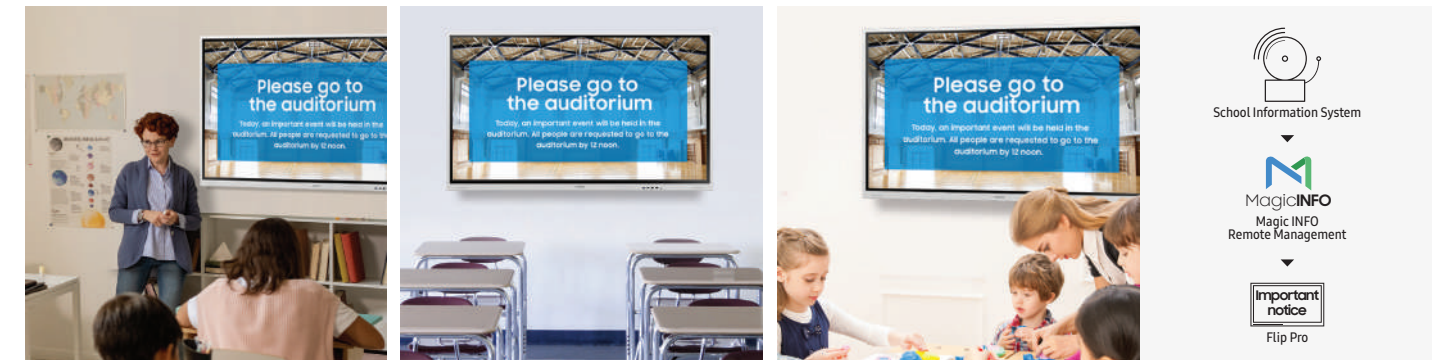
* Service availability varies by region and requires Boxlight subscription.



Video call application
Collaborate with ease over video conferencing

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

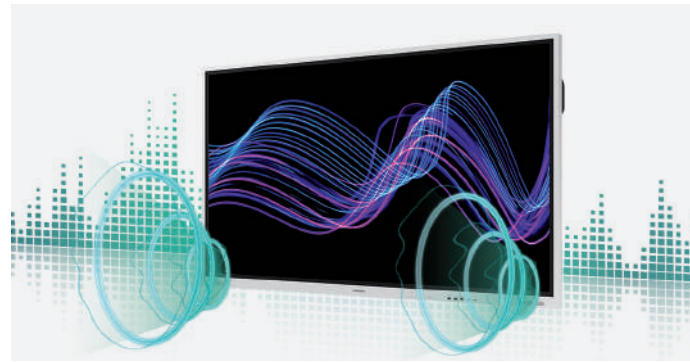
* Video call application will be available through a firmware update available Q2 2022. Webcam must be purchased separately.
 ** Supported webcam(9models): Logitech C930e, C922, C922x, C925E, C920s, C920, C920-CC930C, Logitech Stream Cam.



Remote content push
Keep informed with remote management solution

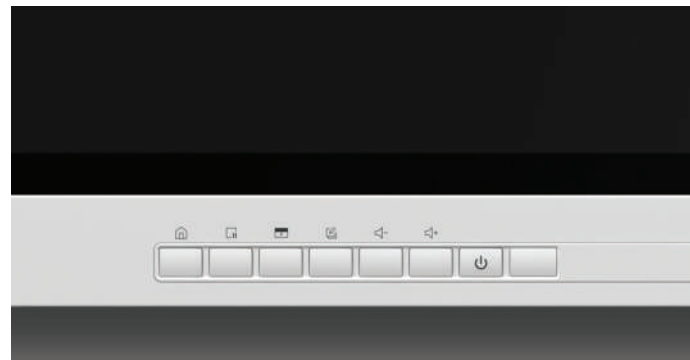
Using Samsung's MagicINFO Remote Management solution, Flip Pro offers new functionality that pushes content, alerts and warnings from the school information system to the display, notifying teachers and students of important updates which can be pushed directly to Flip displays in every classroom.

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



4.0Ch. 40W speaker
Engage learners with immersive sound

Flip 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.



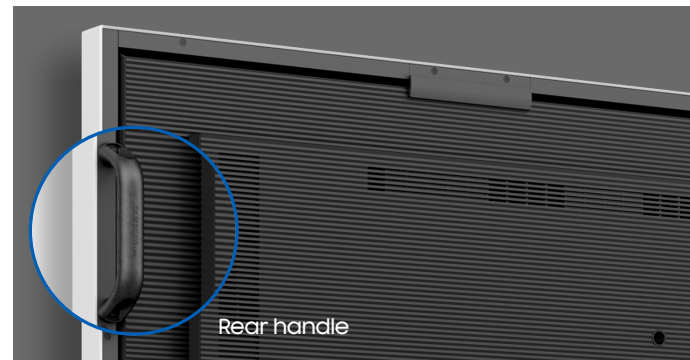
Front panel
Access frequently used menu directly

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



Ambient light sensor
Enjoy optimal content in any lighting conditions

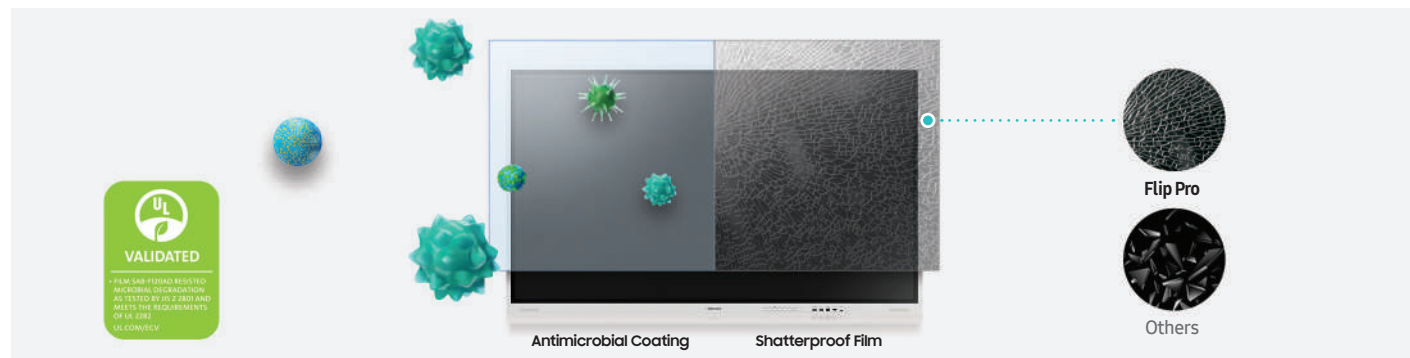
The screen of Flip Pro is equipped with an ambient light sensor to adjust the brightness according to lighting conditions. Whether the classroom is bright or dark, content can be enjoyed to the fullest.



Rear handle
Easy moving. Less effort.

Move the Flip 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 Flip Pro delivers peace of mind with a built-in Antimicrobial Coating which inhibits microbial growth. Plus, the Flip'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 bacterial(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)
 * For further details regarding regional restrictions on the antibacterial function, please refer to each country's Samsung.com website.

Model		Flip Pro (WMB)		
		75"	85"	
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.)	16.7M	16.7M	
	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 x 4CH)	Built in Speaker (40W x 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, Front 1, Rear 1)	Touch Out 2 (USB Upstream Type, Front 1, Rear 1)
	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	
Additional Film		AG Flim(Anti glare)	AG Flim(Anti glare)	
		Hydrophobic Coated PET (Shatter-proof flim)	Hydrophobic Coated PET (Shatter-proof flim)	
		Antimicrobial Coating	Antimicrobial Coating	
		Internal (Main Tea, OPS 1ea)	Internal (Main Tea, OPS 1ea)	
Power	Type	Internal (Main Tea, OPS 1ea)	Internal (Main Tea, 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(16V/4.5A)
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	1945.8 x 1151.1 x 89
		Package	1905 x 1189 x 287	2136 x 1318 x 260
	Weight (kg)	Set	59.3	75.2
		Package	72.2	91.6
	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	
	Key	Flip App	Flip App	
Feature	Orientation	Landscape	Landscape	
		Landscape	Landscape	
	H/W	Touch Overlay(IR), Front Connectivity, OPS I/F Support(w/OPS Box)	Touch Overlay(IR), Front Connectivity, OPS I/F Support(w/OPS Box)	
		Built in Speaker(40W 4CH), WiFi/BT Module Embedded	Built in Speaker(40W 4CH), WiFi/BT Module Embedded	
	S/W	First screen	Flip S/W (whiteboarding app)	Flip S/W (whiteboarding app)
			Document viewer	Document viewer
		Apps	SmartView+	SmartView+
			Video player	Video player
			Web browser	Web browser
			Smsung workspace	Smsung workspace
WebRTC		(RDP/VNC, Office365, VMWare)	(RDP/VNC, Office365, VMWare)	
		Edu tool	Edu tool	
Upgradable web engine		mimioconnect(N.America Only)	mimioconnect(N.America Only)	
		Yes	Yes	
SmartView+	Yes	Yes		
	Yes	Yes		
Airplay Platform	Ready to update ('22.5)	Ready to update ('22.5)		
	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		
	32GB (2.65GB Occupied by O/S, 29.35GB Available)	32GB (2.65GB Occupied by O/S, 29.35GB Available)		
Storage	Tizen 6.5 : Samsung Proprietary OS(VDLinux)	Tizen 6.5 : Samsung Proprietary OS(VDLinux)		
	Tizen 6.5 : Samsung Proprietary OS(VDLinux)	Tizen 6.5 : Samsung Proprietary OS(VDLinux)		
Operating System	802.1x(WPA2 Enterprise) : EAP-TLS, EAP-TTLS, EAP-PEAP	802.1x(WPA2 Enterprise) : EAP-TLS, EAP-TTLS, EAP-PEAP		
	Power Cord, USB Upstream Cable(1ea), Pen(2ea), Warranty/QSG	Power Cord, USB Upstream Cable(1ea), Pen(2ea), Warranty/QSG		
Accessories	Included	N/A (3rd party company stand can be supported through VESA)	N/A (3rd party company stand can be supported through VESA)	
		N/A	N/A	
	Optional	Stand	Stand	
	Mount	Mount		
	OPS Box	OPS Box		
3rd party compatibility		Logitech RallyBar Plus	Logitech RallyBar Plus	