

Samsung Flip Pro WMB Interactive Display

Unlimited learning possibilities.



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Smart Display

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

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Samsung Electronics Co., Ltd.

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Take every learning experience to the next level

What is Flip Pro?

Introducing Samsung Flip Pro, the 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 the resources and great flexibility to help create engaging learning. Experience unlimited learning possibilities with Samsung Flip Pro.

Technology highlights

Solution

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

Hardware

- 4Ch, 40W speaker
- Ambient light sensor
- Front panel
- Rear handle
- Antimicrobial Coating
- Shatter protection film

Touch & Writing

- Fast & multi-touch
- Intuitive writing & drawing

Connectivity

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

Touch & Writing

Latency
26ms

Sensing Level
2,048

Multi-touch
20

Fast & multi-touch

Better interaction with 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. Incredible touch latency was achieved by Samsung's proprietary prediction logic which analyses 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

Quick tool & palette menu

Flexible erasing

Easy notelayer

Intuitive writing & drawing

Bring ideas to life in an instant

Ideas are brought to life 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

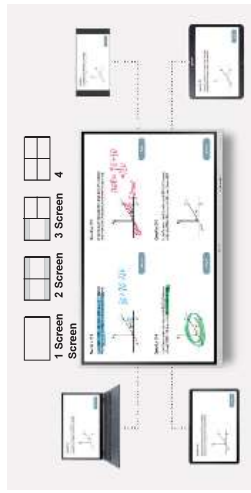
Flip Pro provides multiple connectivity options, including USB, HDMI, DP and OPS slot. Educators can easily connect supported external devices to conveniently share content and display information on a larger screen, as well as connect to any network and other devices through LAN port and wireless screen-mirroring.



3-in-1 USB-C port

One single port for three functions

Enjoy 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 digitised classrooms.



AirPlay 2

Share with AirPlay 2

Flip Pro is integrated with AirPlay 2, allowing educators and students to present on the big screen, to help provide 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.



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. Subject to internet connectivity.



Boxlight MimioConnect

Optimise lesson planning with embedded learning solution

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

* Service availability varies by region and requires Boxlight subscription. App must be downloaded.

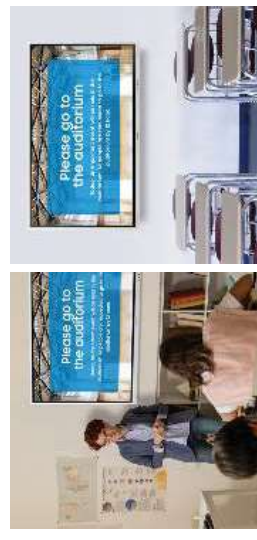


Video call application

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 supported (webcam@models): Logitech C920e, C922, C924, C925E, C920s, C920, C920-C0930C, Logitech StreamCam.



Remote content push

Keep informed with remote management solution

Using Samsung's MagiQINFO Remote Management solution, Flip Pro offers 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 MagiQINFO license to use this service and SES (School Information Service) should separately built and integrated with MagiQINFO.

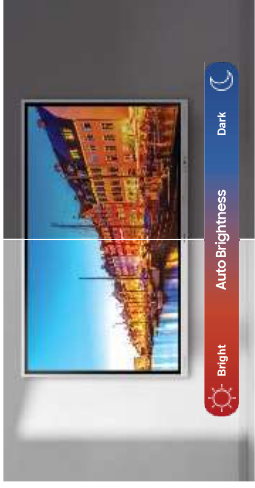
Hardware



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.



Ambient light sensor

Enjoy optimal content in any lighting conditions

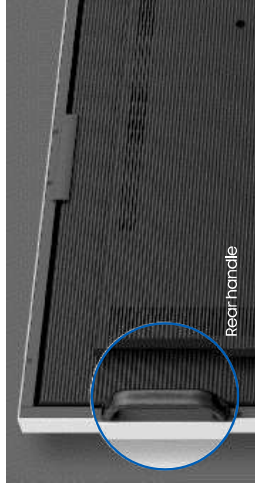
The screen of Flip Pro is equipped with an ambient light sensor to adjust the brightness according to lighting conditions. Whether the classroom is bright or dark, content can be enjoyed to the fullest.



Front panel

Access frequently used menu directly

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



Rear handle

Easy moving. Little effort.

Move the Flip Pro display freely 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 minimised 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 shatter protection 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 user 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: UL 2282 which is granted when the antibacterial effectiveness is more than 99%.
- * The antibacterial effectiveness is measured as the number of bacteria (CFU) on the screen after 24 hours of use, compared to the number of bacteria on the screen at the start of the test.
- * For further details regarding regional restrictions on the antibacterial function, please refer to each country's Samsung.com website.

Specifications

	Model	Flip Pro (WMB)	
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/m ² (without glass)	350cd/m ² (without glass)
Sound	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
Connectivity	Speaker Type	Built-in Speaker (40W x 4Ch)	Built-in Speaker (40W x 4Ch)
	INPUT	RGB VIDEO, AUDIO, USB	RGB VIDEO, AUDIO, USB
	OUTPUT	VIDEO, AUDIO, USB	VIDEO, AUDIO, USB
	INTERNAL EXTERNAL	HDMI 2 (Rear), Front 1, DP1, USB-C (Front), OPS (Front), 2 (For SOC, Rear/ Front), (For external 3.0x) (Front)	HDMI 2 (Rear), Front 1, DP1, USB-C (Front), OPS (Front), 2 (For SOC, Rear/ Front), (For external 3.0x) (Front)
Touch	BT/WiFi	N/A	N/A
	Type	N/A	N/A
	# of Drawing	20 touch (Internal/external)	20 touch (Internal/external)
	Touch Pen Type	Passive Pen with magnet	Passive Pen with magnet
Power	Object Recognition Range	2mm / 4mm / 8mm / 50mm	2mm / 4mm / 8mm / 50mm
	Touch Response Time	6.7ms	6.7ms
	Drawing Speed (Touch latency)	8%~12%	8%~12%
	Thickness	3.2T	3.2T
Mechanical Spec	Hardness	Heat Semi-Strengthened Glass	Heat Semi-Strengthened Glass
	Additional Film	AG Film (Anti glare)	AG Film (Anti glare)
	Type	Hydrophobic Coated PET (Shatter-proof film)	Hydrophobic Coated PET (Shatter-proof film)
	Power Supply	Internal (Main tea, OPS tea)	Internal (Main tea, OPS tea)
Operation	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)	1724 x 1026.3 x 89	1800.48W(100~240V), 1725.46W(220~240V), OPS(16V/4.5A)
	Stand-By(W/H)	1905 x 1189 x 287	1945.8 x 1151.1 x 89
Feature	BTU(W/H)	0.5	0.5
	Package	Set	Set
	Weight (kg)	99.3	75.2
	Colour	White/grey	White/grey
Accessories	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	Power Cable Length	Landscape only	Landscape only
	Accessory	3M / 7.2M (US)	3M / 7.2M (US)
	Operating Temperature	10 ~ 80%, non-condensing	10 ~ 80%, non-condensing
	Humidity	0°C ~ 40°C	0°C ~ 40°C
Orientation	Key	Flip App	Flip App
	HW	Landscape	Landscape
	First screen	Touch Overlay (IR), Front Connectivity, OPS (If Support) (WOPS Box)	Touch Overlay (IR), Front Connectivity, OPS (If Support) (WOPS Box)
	Apps	Built-in Speaker (40W x 4Ch), WIR (If Module Embedded)	Built-in Speaker (40W x 4Ch), WIR (If Module Embedded)
Security	WebRTC	Yes	Yes
	Upgradable engine	Yes	Yes
	Smart/View+	Ready to update (22.5)	Ready to update (22.5)
	Platform	Pointu-M (Tizen 6.5)	Pointu-M (Tizen 6.5)
Optional	Processor	Corex A72 / 7GHz Quad-Core CPU 2MB L2	Corex A72 / 7GHz Quad-Core CPU 2MB L2
	Storage	32GB (2.65GB Occupied by OS, 29.35GB Available)	32GB (2.65GB Occupied by OS, 29.35GB Available)
	Operating System	Tizen 6.5 - Samsung Proprietary OS (VDI Linux)	Tizen 6.5 - Samsung Proprietary OS (VDI Linux)
	Stand Mount	802 MWPA2 Enterprise - EAP-TLS, EAP-PEAP	802 MWPA2 Enterprise - EAP-TLS, EAP-PEAP
3rd party compatibility	OPS Box	Power Cord, USB Upstream Cable (Zea), Pen(Zea), Black(Zea), OPS Box	Power Cord, USB Upstream Cable (Zea), Pen(Zea), Warah(Zea), OPS/CSG
	Stand Mount	WNM65755E	WNM65755E