

CY-TF65BBC (Tray for WM55B/WM65B only)			
Mechanical Spec	Dimension (mm)	Set	269.8 x 111.3 x 56.9
		Package	294 x 136 x 69
	Weight (kg)	Set	0.5
		Package	0.7
Connectivity	Color		Gray White
	USB1		
	USB External (In/Out)1		
	Touch Out1		
Accessories	HDMI 1		
	USB-C 1		
	Included		Installation Guide
	Included		Screws

STN-WM55R (Stand for WM55B only)			
Mechanical Spec	Dimension (mm)	Set	835 x 1632.9 x 850.6
		Package	1650 x 860 x 208
	Weight (kg)	Set	34.5
		Package	41.5
Accessories	Color		Gray White
	VESA Mount		400 X 400
	Rotation		Yes
	Included		Installation Guide
Feature		Special	H/W
			Slim Design No Assembly Required Installation

About Samsung Electronics Co., Ltd.

Samsung Electronics Co., Ltd. inspires the world and shapes the future with transformative ideas and technologies. The company is redefining the worlds of TVs, smartphones, wearable devices, tablets, digital appliances, medical equipment, network systems, and semiconductor and LED solutions. For the latest news, please visit the Samsung Newsroom at news.samsung.com.

Smart Signage

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

Copyright © 2024 Samsung Electronics Co. Ltd. All rights reserved. Samsung is a registered trademark of Samsung Electronics Co. Ltd. Specifications and designs are subject to change without notice. Non-metric weights and measurements are approximate. All data were deemed correct at time of creation. Samsung is not liable for errors or omissions. All brand, product, service names and logos are trademarks and/or registered trademarks of their respective owners and are hereby recognized and acknowledged.

Samsung Electronics Co., Ltd.
416, Maetan 3-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do 443-772, Korea

2024-02

Samsung Flip Pro

WMB Series

Unlimited learning possibilities.



Take every learning experience to the next level

What is Flip Pro?

Introducing Samsung Flip Pro, the premium interactive display that takes learning experiences 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



* Each feature may vary by model.

Touch & Writing

Latency

26ms

Sensing Level

2,048

Multi-touch

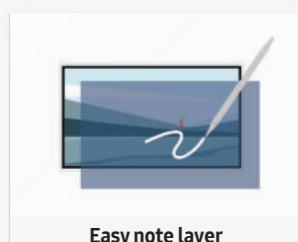
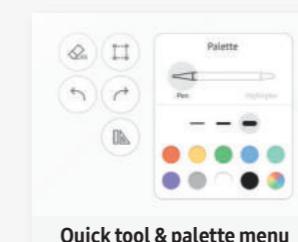
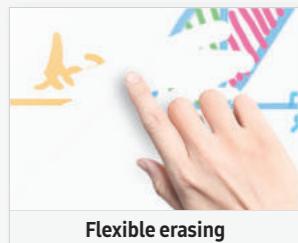
20

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 thickness 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.



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.

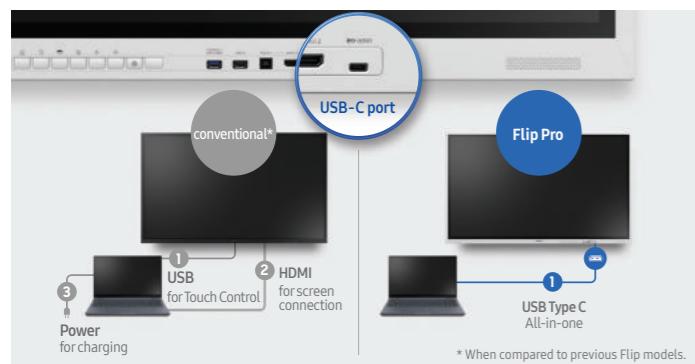


Versatile connectivity

Stay connected from any source

Flip Pro provides multiple connectivity options, including USB, HDMI, DP and OPS mount*. 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.

* OPS mount is currently only available on WM75B and WM85B. Type-C port only available on Tray. Accessory Tray must be purchased separately at WMB55/65.



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.

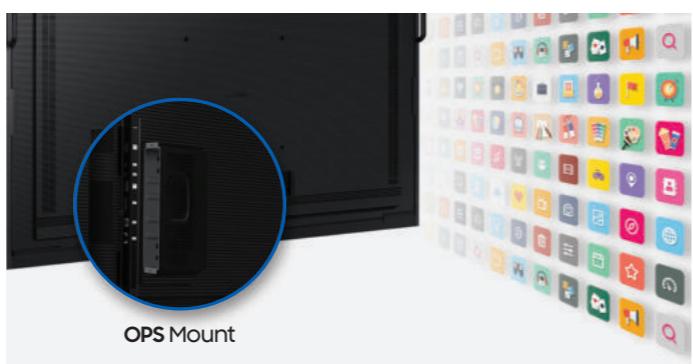
* Power delivery varies by model.



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.



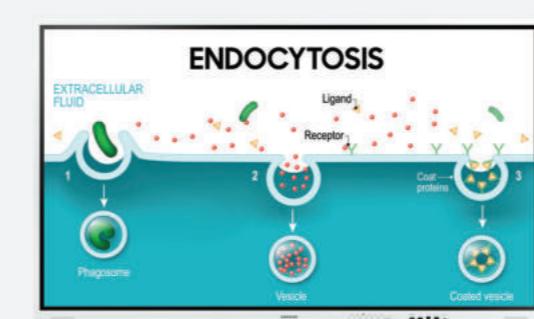
OPS Mount

Use your favorite third-party education solutions

With OPS(Open Pluggable Specification) mount*, 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.

** OPS mount is currently only available on WM75B and WM85B.

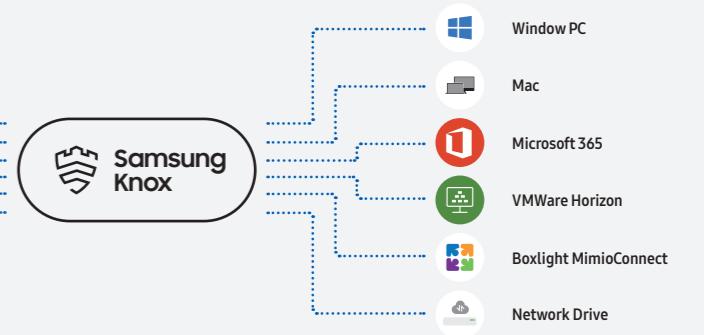
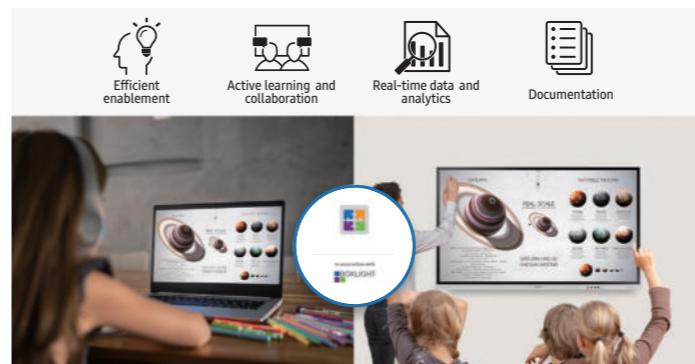


Workspace

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 Microsoft 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.

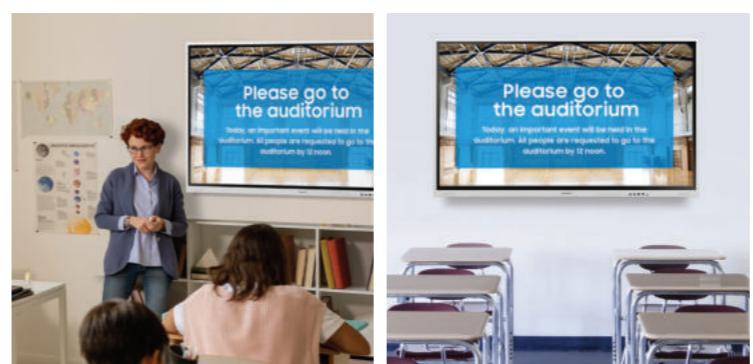


Video call application

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 Meet without the need for additional solution compatibility.

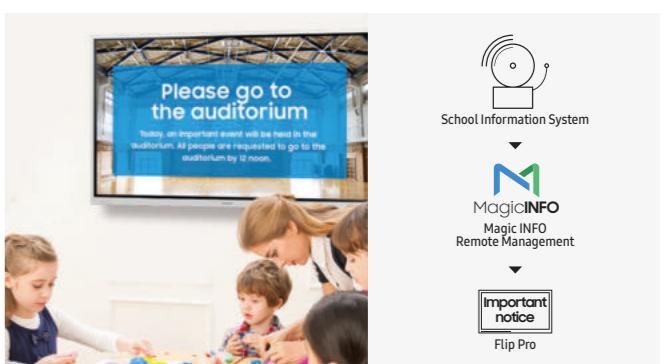
* Video call application will be available through a firmware update available Q2 2022. Webcam must be purchased separately.
** Supported webcam(9models): Logitech C930e, C922, C922x, C925E, C920s, C920, C920-CC930C, Logitech Stream Cam.



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 be 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.

* Speaker option varies by model.

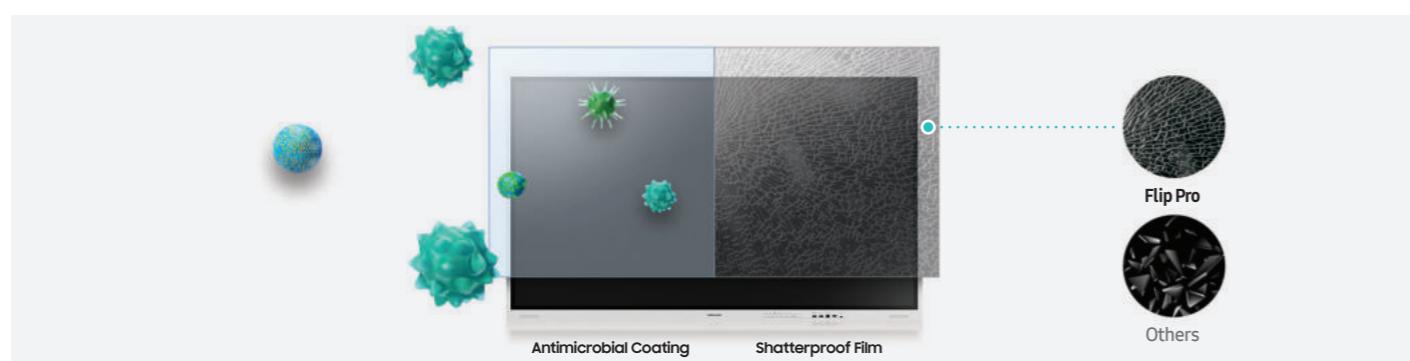


Front panel

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.

* Built-in front panel is currently only available on WM75B and WM85B.



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.

* For further details regarding regional restrictions on the antibacterial function, please refer to each country's Samsung.com website.

Versatility for various purposes, in any space

Samsung Flip Pro is available in a variety of sizes to suit any space in both corporate environments and education especially. Regardless of the size of a space, number of people or use case, Flip Pro is an optimal solution for users looking to enhance efficiency and creativity.

Corporate



Huddle room - WM55B



Mid-sized meeting room - WM65B



Boardroom - WM75B / WM85B

Education



Small classroom- WM55B



Mid-sized classroom - WM65B



Auditorium - WM75B / WM85B

Specifications

Model		WM55B	WM65B	Model	WM75B	WM85B
Panel	Diagonal Size	55"	65"	Panel	Diagonal Size	75"
	Type	New Edge, 60Hz	New Edge, 60Hz		Type	New Edge, 60Hz
	Resolution	3,840 x 2,160 (Landscape)	3,840 x 2,160 (Landscape)		Resolution	3,840 x 2,160 (Landscape)
	Brightness(Typ.)	350cd/m ² (without glass)	350cd/m ² (without glass)		Brightness(Typ.)	350cd/m ² (without glass)
	Contrast Ratio(Typ.)	4000:1 (Typ.)(without glass)	4000:1 (Typ.)(without glass)		Contrast Ratio(Typ.)	4000:1 (Typ.)(without glass)
	Viewing Angle(H/V)	178:178	178:178		Viewing Angle(H/V)	178:178
Sound	Response Time(G-to-G)	8ms(Typ.)	8ms(Typ.)	Sound	Response Time(G-to-G)	8ms(Typ.)
	Speaker Type	Built in Speaker (10W x 2CH)	Built in Speaker (10W x 2CH)		Speaker Type	Built in Speaker (10W x 4CH)
Connectivity	INPUT	RGB	N/A	Connectivity	RGB	N/A
		VIDEO	(Basic) HDMI1, DP1, (With Tray) HDMI1, USB-C		VIDEO	HDMI 2(Rear1, Front1), DP1, USB C(Front), OPS I/F
		AUDIO	N/A		AUDIO	N/A
		USB	(Basic) USB1, (With Tray) USB 2, USB External (In/Out)1		USB	2(For SoC, Rear/Front), 1 (for external 3.0x1(Front))
	OUTPUT	RGB	N/A		RGB	N/A
		VIDEO	N/A		VIDEO	N/A
		AUDIO	1(Stereo Mini Jack)		AUDIO	1(Stereo Mini Jack)
		Touch Out	(Basic) Touch Out1 (USB Upstream Type), (With Tray) Touch Out1 (USB Upstream Type)		Touch Out	Touch Out 2 (USB Upstream Type, Front1, Rear1)
		INTERNAL	SENSOR		INTERNAL	N/A
		EXTERNAL	CONTROL		EXTERNAL	RS232C thru stereo jack, RJ45(For MDC)
Touch	BT/WiFi	Type	IR	Touch	Type	IR
		# of Drawing	* Whiteboarding app works 4 drawing		# of Drawing	* Whiteboarding app works 4 drawing
		Touch Pen Type	Passive Pen with magnet		Touch Pen Type	Passive Pen with magnet
		Object Recognition Range	2mm/ 4mm / 8mm / 50mm (Brush Mode : Dynamic Object Recognition)		Object Recognition Range	2mm/ 4mm / 8mm / 50mm (Brush Mode : Dynamic Object Recognition)
		Touch Response Time	6.7ms		Touch Response Time	6.7ms
	Drawing Speed (Touch latency)	Drawing Speed (Touch latency)	26ms		Drawing Speed (Touch latency)	26ms
		Haze	8%-12%		Haze	8%-12%
		Thickness	2.85T		Thickness	3.2T
		Hardness	Heat Semi-Strengthened Glass		Hardness	Heat Semi-Strengthened Glass
		Additional Film	AG Flim(Anti glare) Hydrophobic Coated PET (Shatter-proof flim) Antimicrobial Coating		Additional Film	AG Flim(Anti glare) Hydrophobic Coated PET (Shatter-proof flim) Antimicrobial Coating
Power	Power Supply	Type	Internal	Power	Type	Internal (Main 1ea, OPS1ea)
		Power Supply	AC100-240V 50/60Hz		Power Supply	AC100-240V 50/60Hz
		Max[W/h]	154W(100-240V)		Max[W/h]	473W(100-240V), 451W(220-240V), OPS(16V/4.5A)
		Typical[W/h]	95W		Typical[W/h]	187W
		Rating[W/h]	140W		Rating[W/h]	430W(100-240V), 410W(220-240V), OPS(16V/4.5A)
		Stand-by[W/h]	0.5		Stand-by[W/h]	0.5
Mechanical Spec	Dimension (mm)	Set	1297.4 x 768.2 x 59.9	Mechanical Spec	Set	1724 x 1026.3 x 89
		Package	1464 x 915 x 190		Package	1905 x 1189 x 287
		Set	28.6		Set	59.3
		Package	35.9		Package	72.2
		Color	Gray White		Color	Gray White
	Protection Glass	VESA Mount	400 * 400		VESA Mount	400 * 400
		Protection Glass	Yes		Protection Glass	Yes
		Stand Type	Stand / Wallmount (STN-WM55R / WMN4277SF)		Stand Type	Wall Mount
		Media Player Option Type	N/A		Media Player Option Type	OPS Slot support
		Rotation	Landscape & Portrait		Rotation	Landscape only
Operation	Power	Power Cable Length	3M / 2.4M(US)		Power Cable Length	3M / 2.4M(US)
		Accessory	Power Cord, USB Upstream Cable(1ea), Pen(2ea, Black), Waranty/QSG		Accessory	Power Cord, USB Upstream Cable(1ea), Pen(2ea, Black), Waranty/QSG
		Operating Temperature	0°C~ 40°C		Operating Temperature	0°C~ 40°C
		Humidity	10 ~ 80%, non-condensing		Humidity	10 ~ 80%, non-condensing
		Key	Flip App		Key	Flip App
		Orientation	Landscape / Portrait		Orientation	Landscape
Feature	S/W	H/W		Feature	H/W	
		First screen	Touch module(IR), Built in Speaker(20W 2CH), WiFi/BT Module Embedded		First screen	Touch Overlay(IR), Front Connectivity, OPS I/F Support(w/OPS Box)
		Apps	Flip S/W (whiteboarding app)		Apps	Built in Speaker(40W 4CH), WiFi/BT Module Embedded
		Document viewer	SmartView+		Document viewer	SmartView+
		SmartView+	Video player		SmartView+	Video player
		WebRTC	Web browser		WebRTC	Web browser
		Upgradable web engine	Workspace		Upgradable web engine	Workspace
		SmartView+	(RDP/VNC, Microsoft 365, VMWare)		SmartView+	(RDP/VNC, Microsoft 365, VMWare)
		Airplay	Edu tool		Airplay	Edu tool
		Platform	mimioconnect(N.America Only)		Platform	mimioconnect(N.America Only)
Internal Player (Embedded H/W)	Internal Player (Embedded H/W)	Processor	Pontus-M (Tizen 6.5)	Internal Player (Embedded H/W)	Processor	Pontus-M (Tizen 6.5)
		Storage	CA72 Quad(1.7GHz)		Storage	Cortex A72 1.7GHz Quad-Core CPU 2MB L2
		Operating System	32GB (2.65GB Occupied by O/S, 29.35GB Available)		Operating System	32GB (2.65GB Occupied by O/S, 29.35GB Available)
		Security	Tizen 6.5 : Samsung Proprietary OS(VDlinux)		Security	Tizen 6.5 : Samsung Proprietary OS(VDlinux)
		Included	802.1x(WPA2 Enterprise) : EAP-TLS, EAP-TTLS, EAP-PEAP		Included	802.1x(WPA2 Enterprise) : EAP-TLS, EAP-TTLS, EAP-PEAP
		Power Cord, USB Upstream Cable(1ea), Pen(2ea, Black), Waranty/QSG	Power Cord, USB Upstream Cable(1ea), Pen(2ea, Black), Waranty/QSG		Power Cord, USB Upstream Cable(1ea), Pen(2ea, Black), Waranty/QSG	Power Cord, USB Upstream Cable(1ea), Pen(2ea, Black), Waranty/QSG
Accessories	Accessories	Stand	STN-WM55R	Optional	Stand	N/A (3rd party company stand can be supported through VESA)
		Mount	WMN4277SF		Mount	WMN8200SF
		OPS Mount	-		OPS Mount	CY-PBRK200
		Tray	CY-TF65BBC		Tray	-
3rd party compatibility		Logitech RallyBar Plus	Logitech RallyBar Plus	3rd party compatibility		Logitech RallyBar Plus