

SAMSUNG

# The Samsung Interactive Display Flip WM85R

2020 | SEA Display Division





$y'v + yv' + yv = -e^{2x}y^2v^2$   
 $y'v + y(v'v) = -e^{2x}y^2v^2$

$v' + v = 0; \frac{dv}{v} = -dx;$   
 $\ln v = -x; v = e^{-x}$

$ye^{-x} = -e^{2x}y^2e^{-2x} = -y^2$   
 $\ln y^{-2} = v' + e^{2x} + y(e^{2x} - e')$

$\frac{dz}{dx} + \frac{1}{y^{n-1}} = z(x) \Rightarrow$   
 $z + (1+n) \cdot b(x)$

$y'v + yv' + yv = -e^{2x}y^2v^2$   
 $y'v + y(v'v) = -e^{2x}y^2v^2$   
 $ye^{-x} = -e^{2x}y^2e^{-2x} = -y^2$

$y' = (x^2e^{3-2x} \cdot \log_2 x)' = (x^2e^{3-2x})' \cdot \log_2 x + x^2e^{3-2x} \cdot (\log_2 x)' =$   
 $= ((x^2)'e^{3-2x} + x^2(e^{3-2x})') \cdot \log_2 x + x^2e^{3-2x} \cdot \frac{1}{x \ln 2} =$   
 $= (2x^{2-1}e^{3-2x} + x^2 \cdot 2e^{3-2x}) \cdot \log_2 x + \frac{x^2e^{3-2x}}{x \ln 2}$   
 $y =$

1.  $D(y) = (0; +\infty)$   
2.  $E(y) = \mathbb{R}$

Transform any classroom into a collaboration space.  
Introducing Samsung Interactive Display Flip 2 WM85R

# Why The Samsung Interactive Display For Education?

Inspire and engage students like no blackboard ever could.



Easy and Intuitive



Built With The  
Teacher in Mind



Accelerate Transformative  
And Collaborative Learning



Use Securely.  
Manage Effectively



## Why The Samsung Interactive Display?

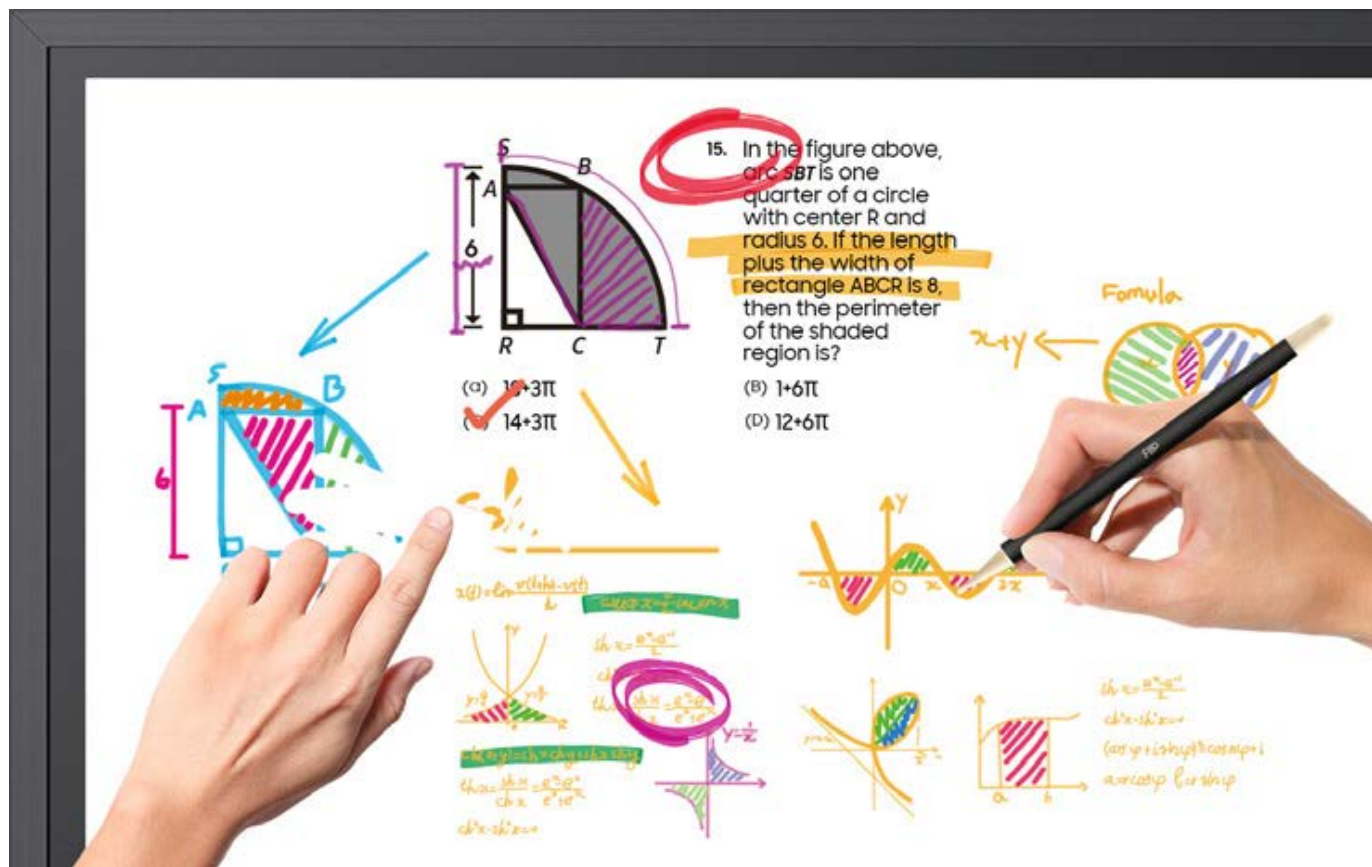


Easy and Intuitive



# Draw, write & inspire new ideas

Smooth pen-to-paper-like writing experience is delivered using the Samsung Interactive Display pen and provides a **wide color palette and range of thicknesses** for a differentiated writing experience. Users can freely write and draw any text or shapes with the passive pen. Any drawing can then **easily be erased with a finger or a palm swipe** when required.



Passive pen



Multi-writing up to 20 touch points  
Write simultaneously



Flexible erasing  
Finger or palm swipe



IR Touch

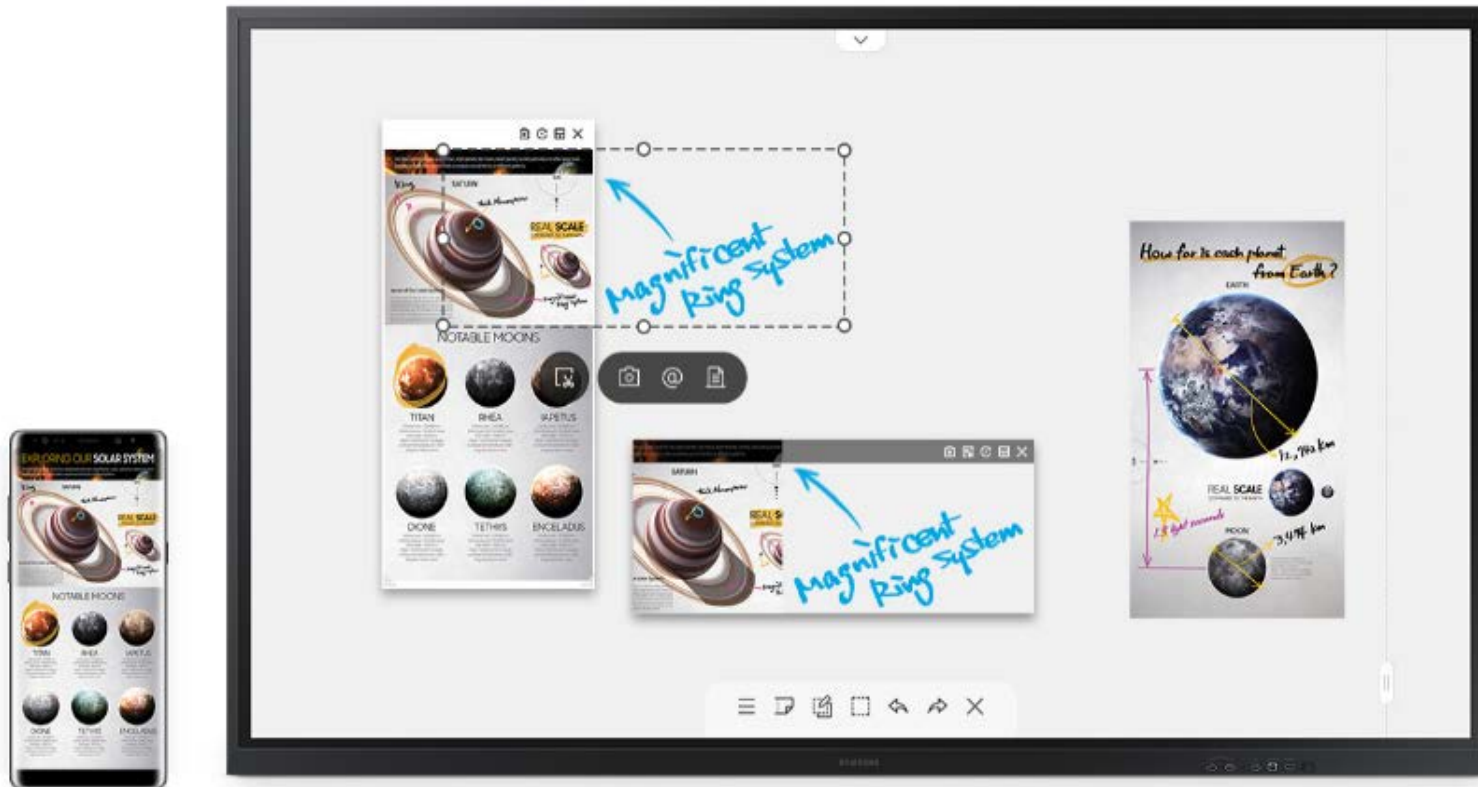


## Annotate With Ease

With the Samsung Interactive Display, users can **annotate any source** easily then, save, share and bring new ideas to life working together in the same room

# Flexible image editing

When using the versatile Samsung Interactive Display, teachers and students can quickly and **easily select, move, crop, capture, and edit any images**. Each image can also be merged to the note roll with just one click of a button, allowing it to be edited or erased to enable optimized creativity in a simple and easy way.



## Versatile editing tool

Quickly and easily select, move, crop, capture and edit any image

## Merge to roll

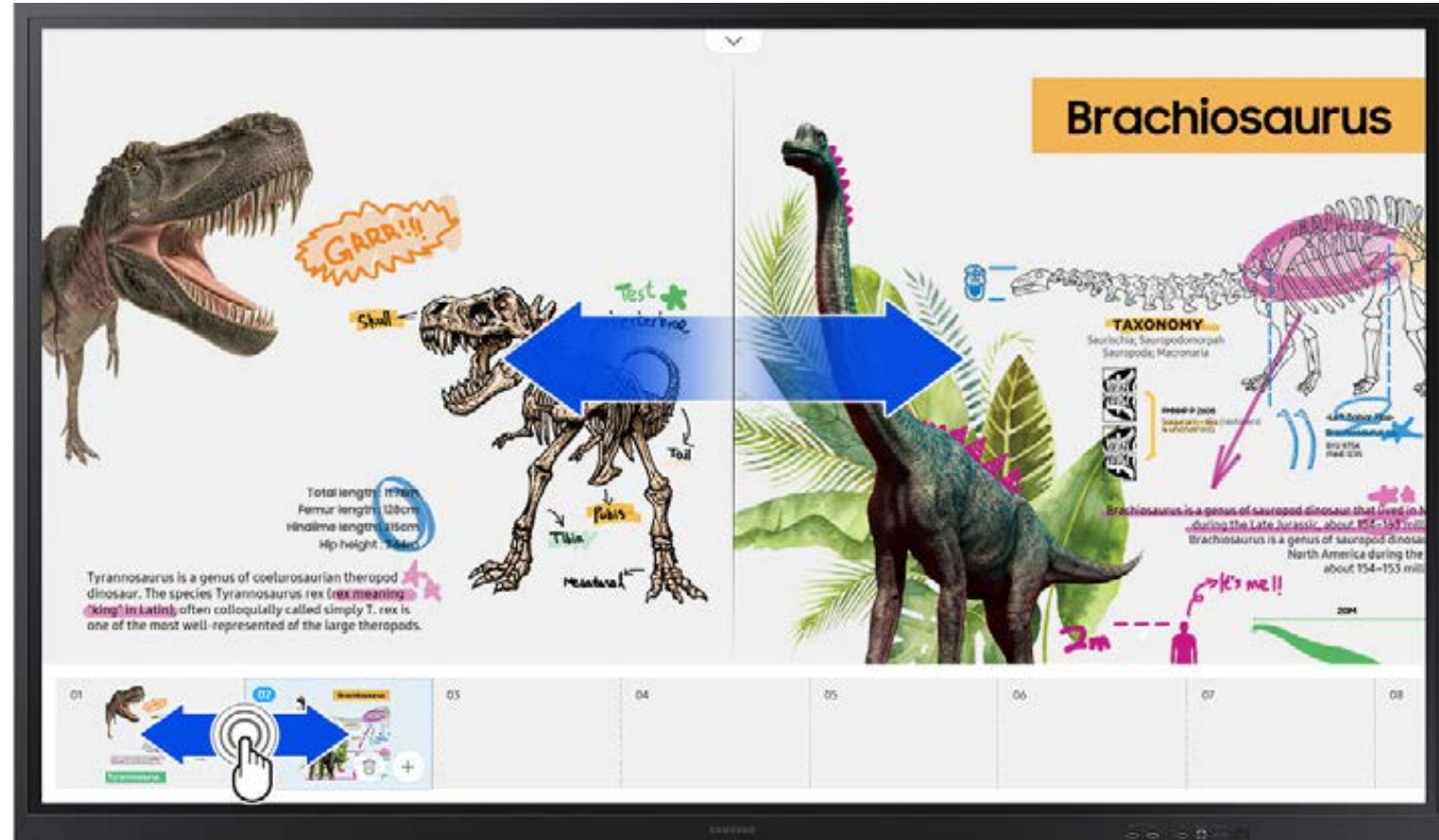
Each image can be merged to the roll with just one click. Once it is merged, it can be edited or erased.

## Selection tool

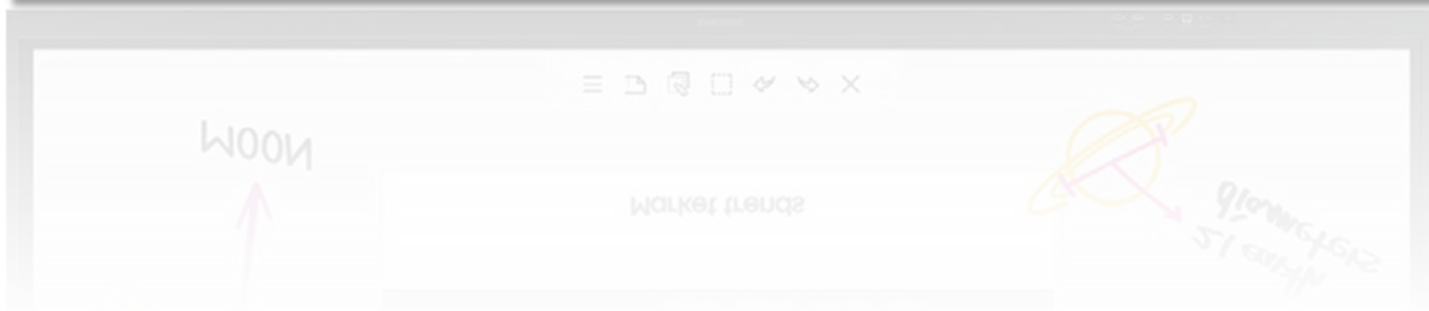
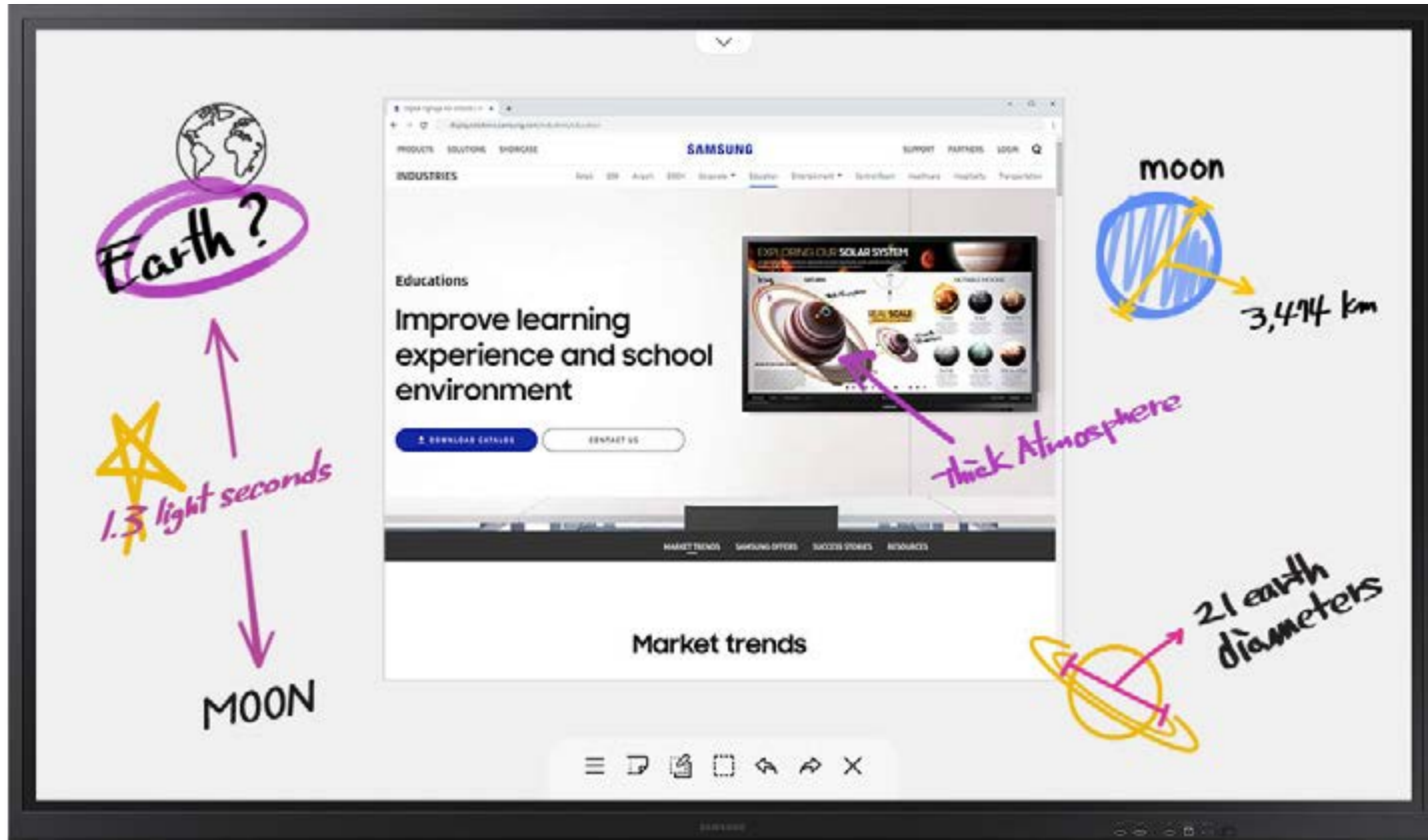
Users can freely select desired part over image area and annotation area

## Easy content navigation

The intuitive user interface is suitable for virtually all ages, providing **easy-to-use navigation** features and a touch display. With a **simplified navigation menu** and a **quick finder tool** preview content and make instant changes on the screen with ease.





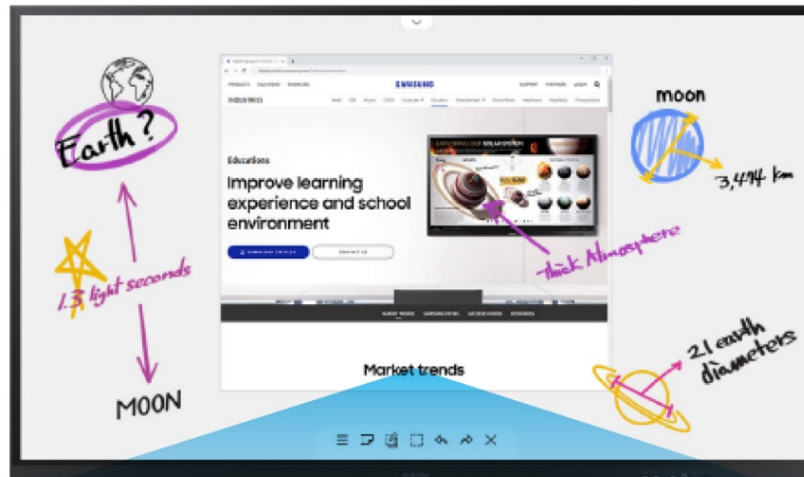


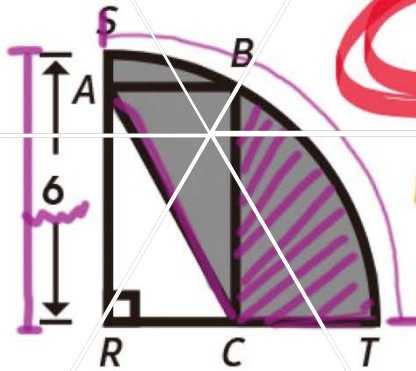
# Access The Web

Surf the web with the touch of a finger. With an embedded web browser, searching the web is **quick and easy**. Simply navigate to any site from the Samsung Interactive Display. Users can **even annotate** around or on the browser, for on-the-spot collaboration .

# Convenient document access

Samsung Interactive Display gives users the capability to open **Microsoft Word**, **PowerPoint**, **Excel** and **Adobe PDF** files directly with a built-in document viewer, ensuring easy access regardless of the content source for improved class engagement.



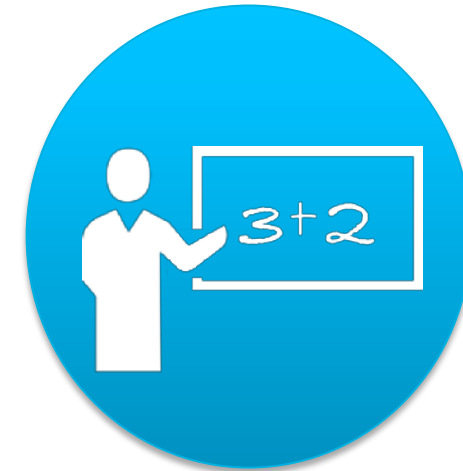


15. In the figure above, arc  $ST$  is one quarter of a circle with center  $R$  and radius 6. If the length plus the width of rectangle  $ABCR$  is 8, then the perimeter of the shaded region is?

- (a)  $10+3\pi$
- (c)  $14+3\pi$

- (B)  $1+6\pi$
- (D)  $12+6\pi$

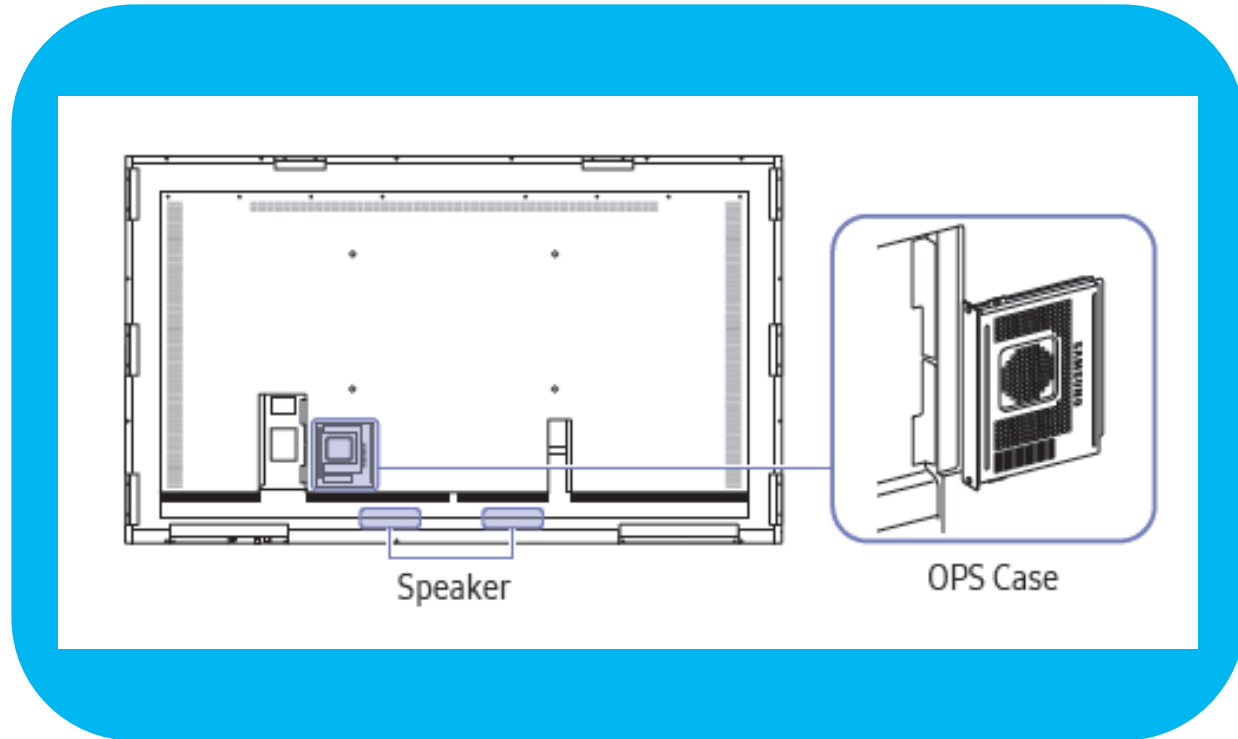
# Why The Samsung Interactive Display?



Built With The Teacher in Mind

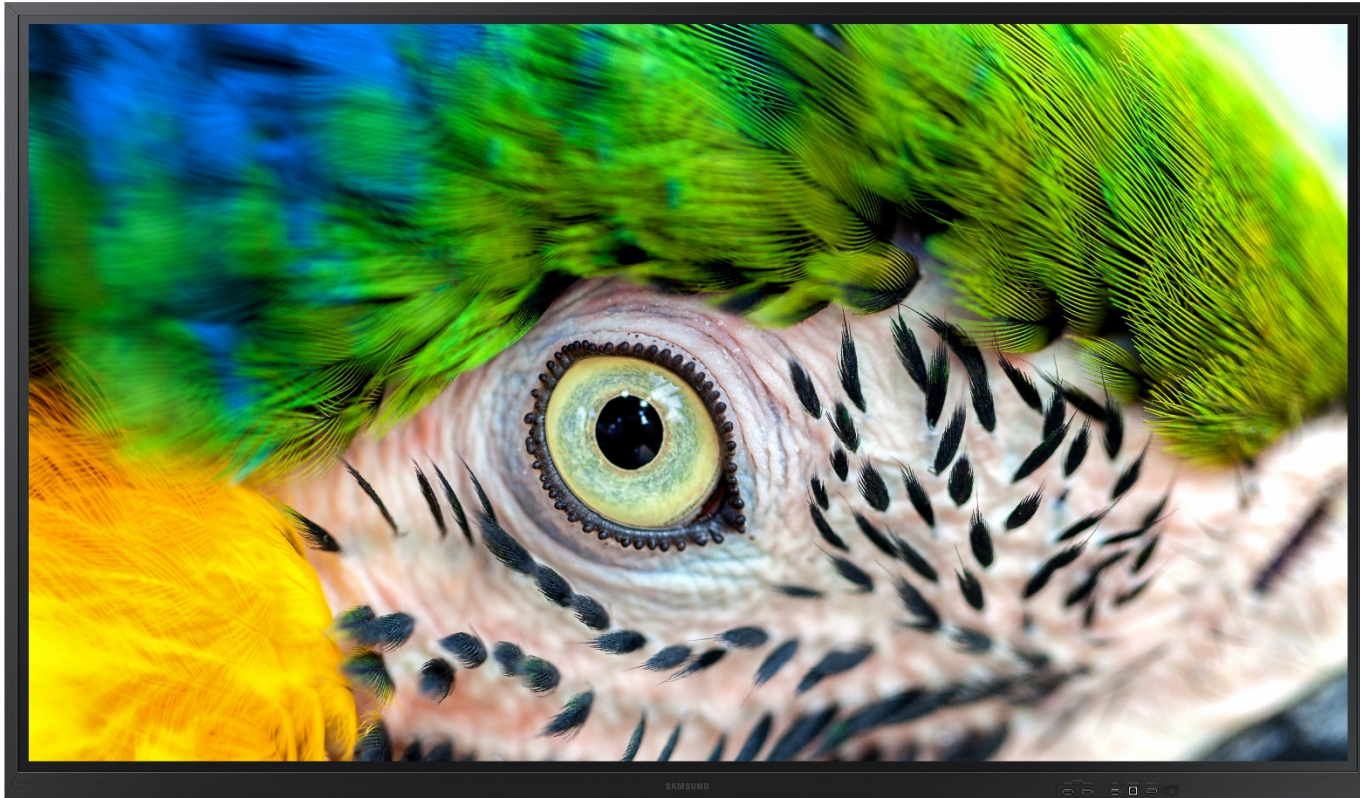
# Transform Your Display With Open Pluggable Specification (OPS)

The OPS slot allows for simple installation of an optional slot-in PC to run Windows OS. It transforms the Samsung Interactive Display into a customized learning tool for an even more powerful computing and an even greater interactive experience.



# 4K UHD ensures crisp, captivating lessons

With four times the resolution of Full HD, the Samsung Interactive Display 4K Ultra HD 3840 x 2160 display **ensures clarity and delivers breathtaking visuals**. Every lesson, every image and every video you share will be reproduced clearly and accurately.



# Effortless class recap distribution

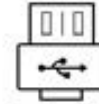
Following any class, teachers can **quickly distribute recaps** to all students, removing the frustration traditionally associated with handwritten notes. Important lessons and content are stored within the Interactive Display in real-time, easily shareable across mobile and digital channels.



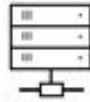
email



Printer



USB



Network Storage



Wifi-direct





# Why The 85" Samsung Interactive Display?



Accelerate Transformative And Collaborative Learning



## Multi writing with up to 20 points of touch on a larger sized display

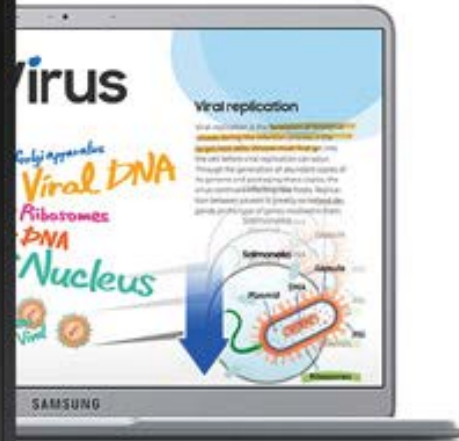
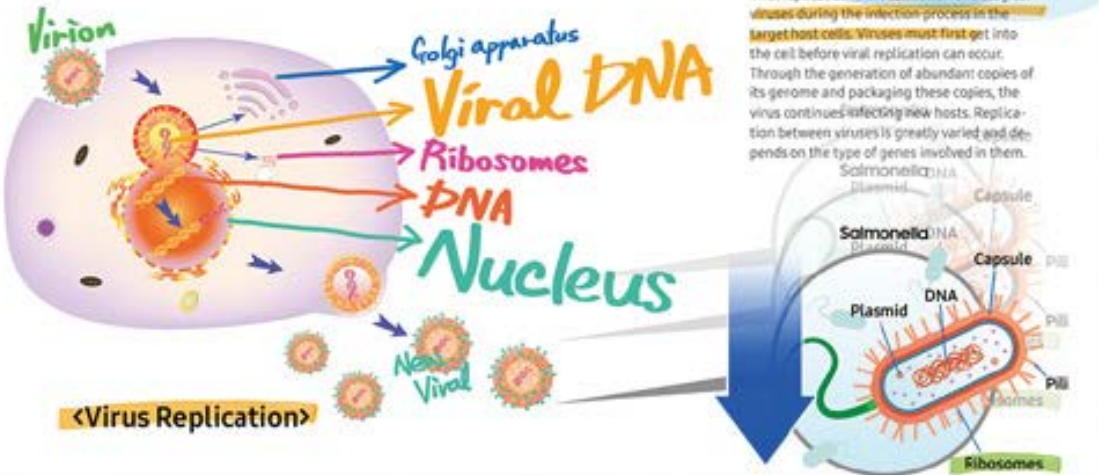


With the Samsung Interactive Display, up-to-20 touches can write/edit at the same time for simultaneous collaboration and productive group work. Students can write, solve math problems and draw pictures all at the same time on the large, 85-inch clear UHD display.



# Connect Your Devices for Content Sharing and Screen Mirroring

## About Virus

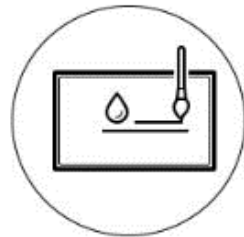


Learning devices come in many forms. Easily sync the Samsung Interactive Display to almost any device for real-time sharing. Whether a photo on a mobile device or a presentation on a laptop, sharing content across devices is simple. Take up the whole screen or shrink it down to size. Any edits made to the content on-screen will be mirrored back to the personal device and vice-versa, for efficient collaboration.

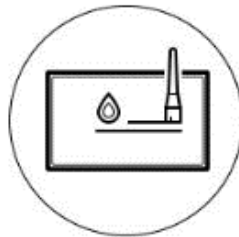
\* Touch out control is available through a touch USB cable connection or UIBC-connected Android mobile devices (2016 or later) and Windows 10 PCs.

# Create Freely

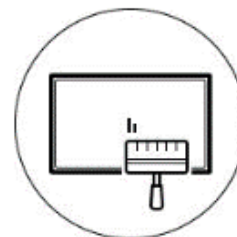
Every idea deserves a unique brush stroke. The Samsung Interactive Display allows users to get creative with **multiple brush and color medium options** such as **water color and oil paint** and more. The Samsung interactive display recognizes a wide range of thicknesses, ensuring teachers and students can create art at the stroke of a brush. **Water and oil painting modes** allow different styles and textures, while a full, vibrant color palette allows flexible color mixing to truly embrace art.



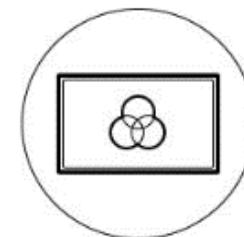
Water painting mode



Oil painting mode



Brush recognition

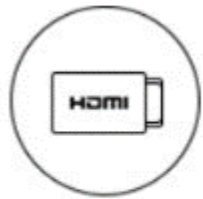
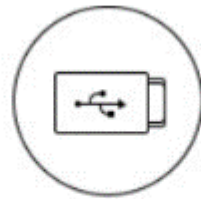
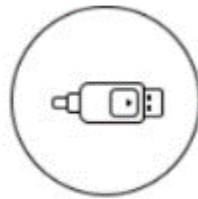
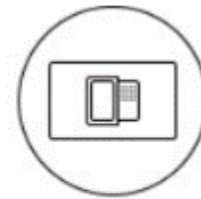
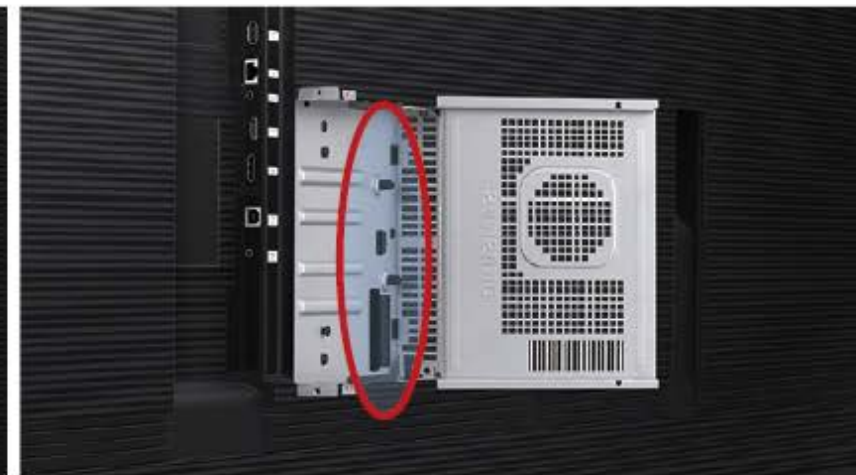


Color mixing



# Versatile connection options

Do more with the Samsung Interactive Display's versatile connection options. **USB, HDMI, DP, NFC, OPS slot** and screen-sharing capabilities enable optimum collaboration, and provide interactive content visibility, notation and sharing from a variety of devices.

**HDMI****USB****DP****Screen mirroring****WIN10****OPS slot**

# Seamless learning from anywhere

The Samsung Interactive Display works seamlessly with **MimioConnect®** to enhance teaching and learning. MimioConnect **combines innovative lesson building and instructional tools** to create an active learning environment. Teachers and students can connect from anywhere, making this a **perfect solution for distance, flipped or blended learning environments**. Lessons can also be presented to a group of students or assigned for individual, self-paced learning.



# Templates & Tools for any classroom need

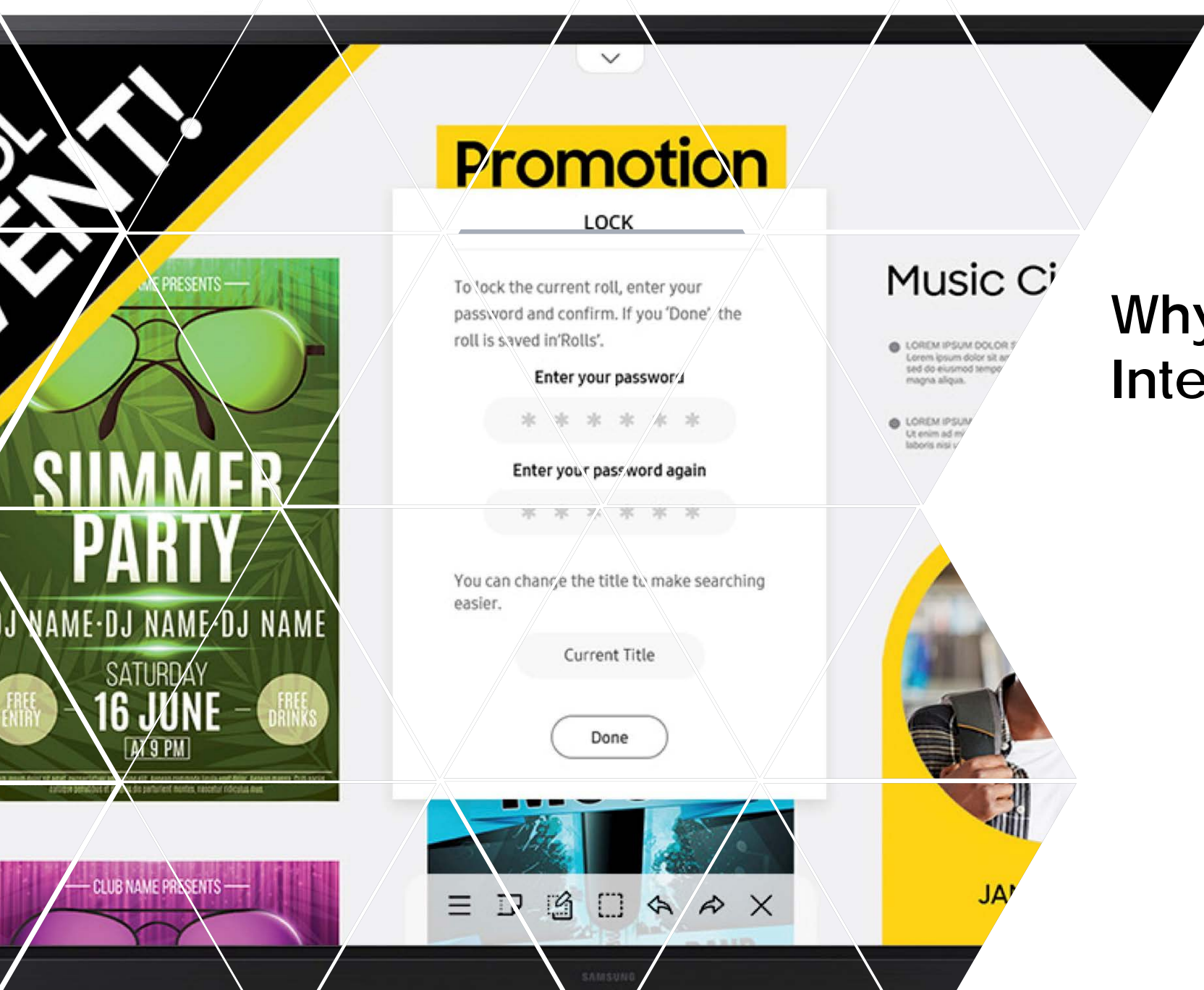
The Samsung Interactive Display provides a variety of **templates and tools** – from timetables to calendars to strategy boards – that can be used in class and school environments. Instead of writing on physical paper and discarding it, digital displays mean teachers and students can increase efficiency and enjoyment.





## Custom screensaver for constant communication

When the display is not in use, users can select a custom image to be shown on the screen as a screensaver. This means the Samsung Interactive display can help to announce and promote a wide variety of communications tailored for students, such as an upcoming events calendar.



# Why The 85" Samsung Interactive Display ?

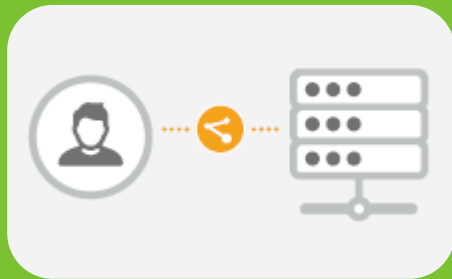


Use Securely.  
Manage Effectively

# Convenient, Optimized Management

## Advanced convenience and security

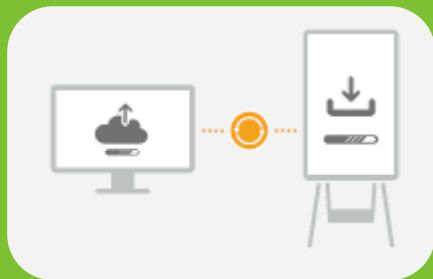
The Samsung Interactive Display offers secure wireless connection, automatic firmware updates and LDAP synchronization when connected to network database.



**LDAP** (Lightweight Directory Access Protocol)  
Connect to an enterprise user database. Users can find recipient name/emails easily, as they do with a PC/notebook.



**File security**  
Set to delete files regularly (The duration can be set by administrators.)

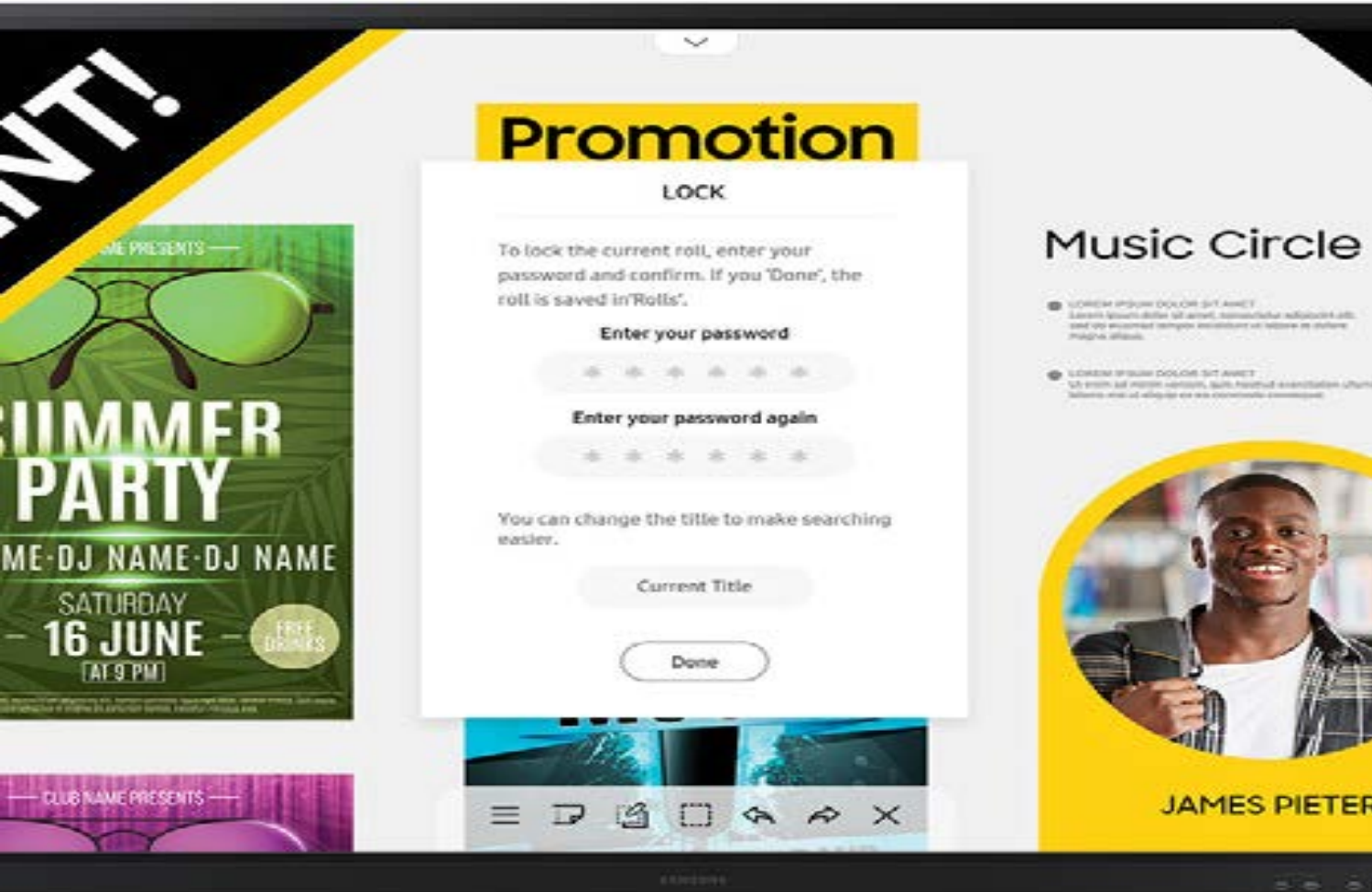


**OTN** (Over The Network)  
Automatic firmware updates when network is connected.



**WPA 2** (802.1x based standard)  
Secure wireless connectivity



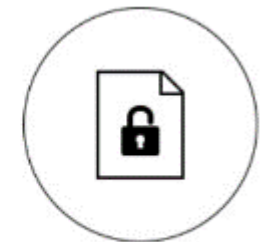


# Safe, secure content protection

Samsung Interactive Display ensures that confidential class information remains in the right hands. Using its reinforced, 6-digit lock system, each class leader is able to safeguard sensitive content, lock the display and remove critical content from view. In addition, users can set the Samsung Interactive Display to delete files regularly for enhanced security.



6-digit lock

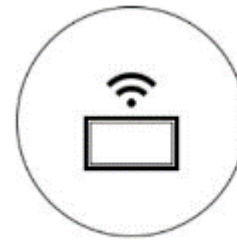


File security

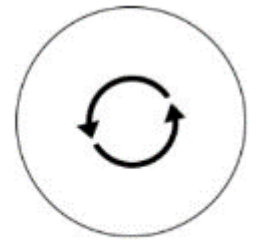


## Comprehensive control options

Users can remotely control critical display settings on the Interactive Display through Samsung's Remote Management solution. This provides the ability to power the display on and off, change the pin code, lock the network or USB port and adjust proxy server settings for enhanced convenience. In addition, the OTN capability enables firmware updates automatically for convenient management.



Remote Management



OTN



## Talking about Math

High School

$$(ab)^c = a^c b^c$$
$$\left(\frac{a}{b}\right)^c = \frac{a^c}{b^c}$$
$$y = ax^2 + bx + c$$
$$x_1 + x_2 = -\frac{b}{a}$$
$$x_1 \cdot x_2 = \frac{c}{a}$$



$$(a \neq 0) \quad a^0 = 1$$
$$a^1 = a$$
$$a^m \cdot a^n = a^{(m+n)}$$

$$\left(\frac{1}{a^m} + \frac{1}{a^n}\right)$$

$$a^2 = 2ab + b^2 \cdot (a+b)^2$$

$$\frac{2 \frac{1}{4} \frac{1}{d}}{4 + 1 \frac{1}{4} \frac{1}{d}} = \frac{\frac{2 \cdot 1 \cdot 1}{4} \frac{1}{d}}{4 + \frac{1 \cdot 1}{4} \frac{1}{d}}$$

$$r = \frac{ab}{a+b+c}$$

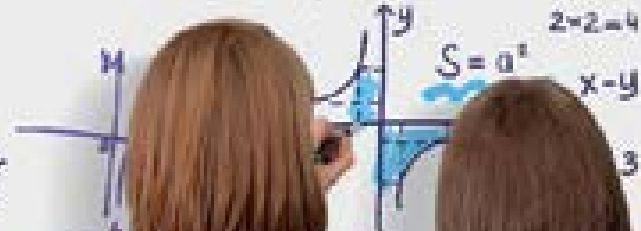
$$r = \frac{a+b-c}{2}$$

$$\begin{cases} 24(2x-2) = 7(x^2-2x) \\ y = x-2 \end{cases}$$



$$\begin{cases} \frac{1}{x} + \frac{1}{x-2} = \frac{7}{24} \\ y = x-2 \end{cases}$$

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$
$$x_{1,2} = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$
$$r = \frac{ab}{a+b+c}$$



$$(ab)^c = a^c b^c$$
$$\left(\frac{a}{b}\right)^c = \frac{a^c}{b^c}$$



$\sin \alpha =$   
 $\cos \alpha =$   
 $\sin \alpha =$

# Classroom

Enhance the learning experience

The Samsung Flip 85" empowers schools to create engaging learning experiences. With the OPS slot, schools can showcase their interactive content without pulling in their PC or external device.

# Interactive Learning: Creating interactive lessons like never before



## What's the customer need?

Every student learns differently and gone are the days of boring lecture teaching while students take notes. Schools want technology that works as hard as they do. They need a displays that can showcase daily lessons while providing the options to get creative and interactive making their classroom come to life.



### Target Customer

K-12



### Target Audience

C-suite, Technology Directors, Superintendents

## Customer pain points

- Legacy technology not working with new technology
- Need for displays that can showcase content for the room to see and provide interactive features
- Classroom content needs to be shared with students once school is over.
- Teachers want to mirror on the display while walking around the room with a mobile device.

## Samsung's Solution

Samsung's Interactive Display h provides an intuitive pen tool with up to 20 simultaneous points of touch. Students can write, solve math problems and draw pictures all at the same time on the large, 85-inch clear UHD display.

## Customer benefit

Samsung Interactive Display is an intuitive and easy-to-use digital canvas that can meet the demands of modern education. While teachers are always looking for innovative solutions to create a more engaging classroom environment, students also have high expectations for the digital experience they receive while learning.

- Useful features for white boarding, including pen-to-paper-like writing experience and various edit tools
- Smoother remote or hybrid learning through crystal-clear audio and detailed picture quality
- Versatile embedded templates, as well as a document viewer that doesn't require an additional PC, enables effortless presentations supported by any web browser
- USB, HDMI, NFC and screen mirroring capabilities offer versatile connectivity, along with screen sharing and meeting recap distribution
- OPS Slot for an optional slot-in PC to deliver a powerful computing and an even greater interactive experience

## Why Samsung?

- **Maximize Your Performance**  
Transform static communications and unlock new possibilities with a diverse line of panel technology designed to meet any business display need.
- **Drive Transformation**  
With an all-in-one solution, intuitive, advanced content management and display capabilities and a robust platform that is ideal for any business.
- **Create New Experiences**  
Connect with an extensive ecosystem of leading digital signage partners, through the Samsung platform, to create seamless, tailored experiences.



Easy and Intuitive



Built With The Teacher in Mind



Accelerate Transformative And Collaborative Learning



Use Securely, Manage Effectively

**SAMSUNG**

Thank you