



# SAMSUNG SMART SIGNAGE PMF-BC SERIES

Achieve compelling customer engagement through all-in-one touchscreen displays

Samsung's PMF-BC displays combine the visual power of its signage with the touch-driven efficiency of its interactive offerings to better serve the needs of retail, public, corporate and transportation environments, among others. The displays allow consumers to seamlessly navigate a range of relevant content without interference from surrounding light or environmental conditions. The integrated, powerful Tizen operating system grants PMF-BC users exciting capabilities to deliver rich, engaging content with minimal operational burden required. Beyond a potential uptick in sales and engagement, businesses also benefit from the reduced total operational costs that come with a low-maintenance, hassle-free visual display upgrade.

## HIGHLIGHTS

- Capacitive touch technology makes up to 10 different touch points available simultaneously
- All-in-one signage package includes integrated media player and content management tools
- Powerful Tizen operating system ensures seamless operations and captivating graphic performance
- Bright, non-glare design enhances readability regardless of surrounding lighting
- IP5x certification signifies displays' resistance to dust and dirt exposure
- Durable, 24/7 performance ensures continuous interactivity and content sharing
- Easy, flexible display control possible through a centralized infrared receiver (IR)

As today's businesses seek new ways to stand out among increasingly crowded competition, interactivity and convenience have become more a critical component of day-to-day operations. Today's tech-savvy consumers have come to expect a touch-driven experience with access to more relevant information and higher quality content than static alternatives provide. Likewise, these consumers are growing more accustomed to self-service, and the convenience that comes with placing and fulfilling their own orders for items ranging from train tickets to fast food. For businesses, an upgrade to kiosk displays delivers engagement, simplicity and speed that customers will remember, while simultaneously enabling more cost-efficient management.

## WHY SAMSUNG?

As the world's leading digital display company, Samsung Electronics maintains a commitment to innovation that responds to industry trends and allows businesses of all varieties to operate smarter – and better. This includes being a pioneer in the touch-interactive display space, ranging from small-screen kiosk signage to large-format interactive white boards. Regardless of the environment, Samsung offers total solutions signage technologies that ease implementation and maintenance. Through a sleek, elegant design and extended performance, Samsung's interactive displays also overcome common limitations and enhance customer interaction without disrupting overall operations.



**PIONEER IN THE TOUCH SOLUTION**



**SUPERIOR IMAGE QUALITY**



**SOLID RELIABILITY**





## POWERFUL, CONVENIENT MANAGEMENT THROUGH AN ALL-IN-ONE COMPOSITION

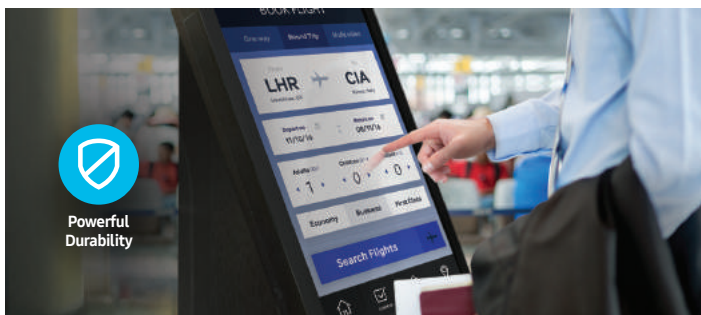
Samsung's PMF-BC displays condense several vital signage components – including a powerful operating system, embedded media player and capacitive touch technology – into an all-in-one solution. Backed by the versatile Tizen OS, the PMF-BC displays deliver dynamic, touch-enabled content without requiring external PCs or devices. An intuitive interface further drives quick and convenient navigation across essential applications and content.



## COMFORTABLE, MULTI-POINT CAPACITIVE TOUCH COMMUNICATION

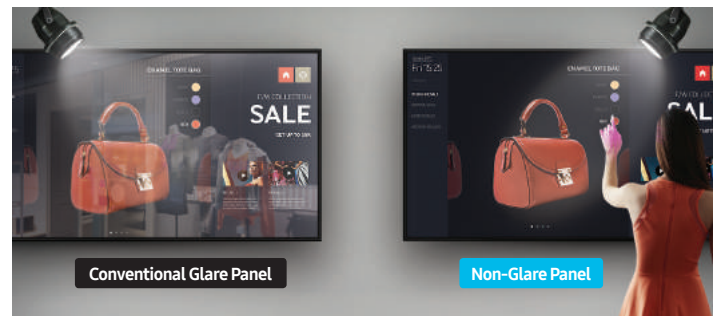
Through capacitive touch technology and a user-friendly design, Samsung's PMF-BC displays foster a comfortable, easy-to-navigate digital writing experience. The interactive displays can accommodate 10 unique touch points\* while maintaining the smooth, familiar feel of analog board or pen-and-paper writing, and without interference from dust, sunlight or other natural variables.

\* The number of available touch points varies depending on configuration. Connected external PCs provide the PMF-BC display with 10 touch points, while the integrated operating system supports two additional touch points.



## RELIABLE, DUST-RESISTANT DESIGN FOR CONTINUOUS CONTENT DELIVERY

Designed for 24/7 operations, Samsung's PMF-BC displays build trust for users looking to deliver unwavering messaging without ongoing maintenance. Each PMF-BC display undergoes rigorous IP5x certification to validate its resistance to dust, dirt and other environmental factors. Likewise, these benefits make the PMF-BC a welcome addition to train and bus stations, and other environments frequently subject to the elements.



## BRILLIANT, GLARE-FREE VISUAL QUALITY

Featuring elevated contrast ratios and 400nit brightness, the PMF-BC displays showcase highly visible content even in environments subject to variable lighting conditions. A non-glare, glass touch front panel further reduces the impact of natural and ambient light interference and guarantees consistent readability, while a complementary anti-haze coating drives smooth, uninterrupted on-screen navigation.



## CONVENIENT DISPLAY CONTROL THROUGH A CENTRALIZED RECEIVER

The PMF-BC displays drive user convenience through a centralized infrared receiver (IR). Contrary to standard displays which place their IR in a hard-to-access - and thus hard-to-control - location, the PMF-BC displays receive IR signals across their individual panels. As a result, users can activate IR functionalities from various locations and further augment quick and uninterrupted management.

# SPECIFICATIONS

MODEL			PM55F-BC
Panel	Diagonal Size	Class	55
		Measured	54.6" / 138.7cm
	Type		60Hz E-LED BLU
	Resolution		1920 x 1080 (16:9)
	Pixel Pitch(mm)		0.630(H) x 0.630(V)
	Active Display Area(mm)		1209.6(H) x 680.4(V)
	Brightness(Typ.)		400nit (w/ Touch Glass)
	Contrast Ratio(Typ.)		4000:1
	Viewing Angle(H/V)		178 / 178
	Response Time(G-to-G)		8ms
	Display Colors		10bit Dithering - 1.07Billion
	Color Gamut		72%
	Display	Operation Hour	
Haze		25% (Panel), 15% (Glass)	
Dynamic C/R		Mega	
H-Scanning Frequency		30 ~ 81kHz	
Sound	V-Scanning Frequency		48 ~ 75Hz
	Maximum Pixel Frequency		148.5MHz
	Speaker Type		Built in Speaker(10W + 10W)
Connectivity	INPUT	RGB	DVI-I(D-Sub Common), Display Port 1.2 (2)
		VIDEO	HDMI 2.0 (2)
		HDCP	HDCP 2.2
		AUDIO	Stereo mini Jack, RGB/DVI/HDMI
		USB	USB 2.0 x 2 (1 Used for Touch)
	OUTPUT	RGB	DP1.2(Loop-out)
		VIDEO	N/A
		AUDIO	Stereo mini Jack
		Power Out	N/A
		USB	USB Type-B (Touch Sensor Data)
	External Control		RS232C(In/Out) thru Stereo Jack, RJ45
	External Sensor		N/A
	Tuner		Yes (only for NA)
Power	Type		Internal
	Power Supply		AC100 ~ 240 V, 50/60 Hz
	Power Consumption	Max[W/h]	187
		Typical[W/h]	125
		BTU(Max)	637.67
		Sleep mode	less than 0.5W
Off mode		less than 0.5W	
Mechanical Spec	Dimension (mm)	Set	1,248.4 x 733.4 x 58.4
		Package	1,375 x 863 x 200
	Weight (kg)	Set	26.4
		Package	32.0
	VESA Mount		400 x 400
	Protection Glass		3.2T Semi-Tempered Touch Glass
Stand Type		Foot Stand (Optional)	
Bezel Width (Top/Side/Bot) (mm)		25.0/179/25.0	
Operation	Operating Temperature		0°C~ 40°C
	Humidity		10 ~ 80%

PM55F-BC						
Feature	Key		Slim & Light Signage with Built-in MagicInfo S4, SSSP 4.0, Cap-Touch			
		Special	H/W	Non Glare Touch Panel, Temperature Sensor, Video Wall(15x15(OSD)), Video Wall Daisy Chain(16), Pivot Display, Clock Battery(168hrs Clock Keeping), Built in Speaker(10W x 2), WiFi Module Embedded, Tuner(only for NA), Center IR Magic Clone(to USB), Auto Source Switching & Recovery, RS232C/RJ45 MDC, Plug and Play, PIP/PBP, Image Rotation, Button Lock, DP1.2 Digital Daisy Chain(HDCP Support), Firmware Update by Network, New Home Screen, PC-less VideoWall, Multi Channel, Mobile Control, Event Schedule, Backup Player		
	Internal Player (Embedded H/W)		S/W			
		Processor	Cortex-A12 1.3GHz Quad Core CPU			
		On-Chip Cache Memory	L1 (I/D) : 32KB / 32KB L2 (Unified) : 1MB			
		Clock Speed	1.3GHz CPU Quad			
		Main Memory Interface	2.5GB 3 channel 96bit DDR3-933 (1866MHz)			
		Graphics	2D & 3D Graphics Engine - Up to 3,840x2,160p. 32bpp - Supports OpenGL ES			
		Storage (FDM)	8GB (3.75GB Occupied by O/S, 4.25GB Available)			
		Multimedia	Video Decoder - MPEG-1/2/4, H.263, H.264/AVC, UHD H.264/AVC - VC-1, AVS+, HEVC, JPEG, PNG, VP8, VP9 Audio DSP (Decoder) - AC3 (DD), MPEG, DTS and etc.			
		IO Ports	USB 2.0			
		Operating System	Tizen 2.4 (VDLinux)			
	Certification	Safety		CB (Europe) : IEC60950-1/EN60950-1 CCC (China) : GB4943.1-2011 PSB (Singapore) : PSB+IEC60950-1 NOM (Mexico) : NOM-001-SCFI-1993 IRAM (Argentina) : IRAM+IEC60950-1 SASO (Saudi Arabia) : SASO+IEC60950-1 BIS (India) : IEC60950-1 / IS13252 NOM (Mexico) : Tuner : NOM-001-SCFI-1993 Tunerless : NOM-019-SCFI-1998 KC (Korea) : K 60950-1 EAC (Russia) : EAC+IEC60950-1 INMETRO (Brazil) : INMETRO+IEC60950-1 BSMI (Taiwan) : BSMI+IEC60950-1 RCM (Australia) : IEC60950-1/AS/NZS 60950-1 UL (USA) : cUL60950-1 CSA (Canada) : cUL TUV (Germany) : CE NEMKO (Norway) : CE		
EMC				FCC (USA) Part 15, Subpart B Class A CE (Europe) : EN55022-2006+A1-2007 EN55024-1998+A1-2001+A2-2003 VCCI (Japan) : VCCI V-3 / 2010.04 Class A KCC/EK (Korea) : Tuner : KN13 / KN20 Tunerless : KN22 / KN24 BSMI (Taiwan) : CNS13438 (ITE EMI) Class A / CNS13439 (AV EMI) / CNS14409 (AV EMS) / CNS14972 (Digital) C-Tick (Australia) : AS/NZS CISPR22:2009 CCC (China) : GB9254-2008 GB17625.1-2012 GOST (Russia/CIS) : GOST R 51317 Series, GOST 22505-97 EN55022-2006+A1-2007 EN55024-1998+A1-2001+A2-2003		
			Environment	N/A		
			Sound Operation	Included		Quick Setup Guide, Regulatory Guide, Warranty Card, Power Cord, Remote Controller, Batteries, RS232C(IN) Gender, Cover Jack, USB Cable
					Optional	
				Stand	STN-L4655E	
				Mount	WMN4270SD	
			Specialty	N/A		
			Media Player	SBB		

## 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, cameras, digital appliances, medical equipment, network systems, and semiconductor and LED solutions. For the latest news, please visit the Samsung Newsroom at [news.samsung.com](http://news.samsung.com).

## SMART Signage

For more information about Samsung SMART Signage PMF-BC Series, visit [www.samsung.com/business](http://www.samsung.com/business) or [www.samsung.com/displaysolutions](http://www.samsung.com/displaysolutions)

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