



SAMSUNG SMART SIGNAGE PM32F-BC SERIES

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

Samsung's PM32F-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 PM32F-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
- Powerful resistance to dust and dirt exposure
- Durable, 16/7 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

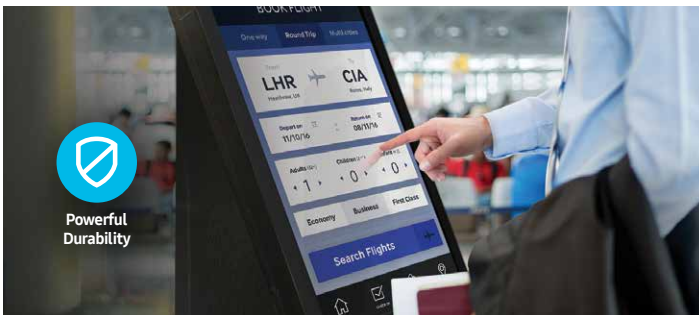
Samsung's PM32F-BC displays condense several vital signage components – including a powerful operating system, embedded media player and capacitive touch technology – into an all-in-one solution. Backed by the versatile Tizen OS, the PM32F-BC displays deliver dynamic, touch-enabled content without requiring external PCs or devices. An intuitive interface further drives quick and convenient navigation across essential applications and content.



COMFORTABLE, MULTI-POINT CAPACITIVE TOUCH COMMUNICATION

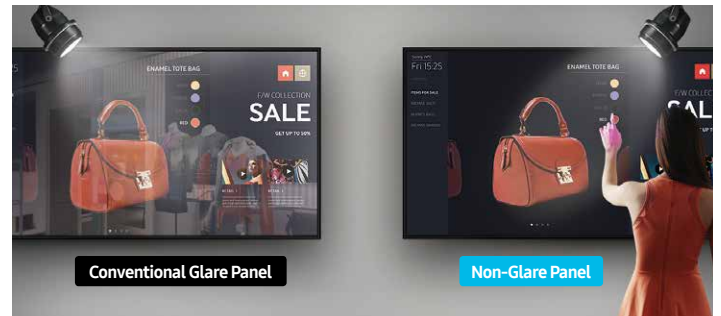
Through capacitive touch technology and a user-friendly design, Samsung's PM32F-BC displays foster a comfortable, easy-to-navigate digital writing experience. The interactive displays can accommodate 10 unique touch points* while maintaining the smooth, familiar feel of analog board or pen-and-paper 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 PM32F-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 16/7 operations, Samsung's PM32F-BC displays build trust for users looking to deliver unwavering messaging without ongoing maintenance. Each PM32F-BC display has strong resistance to dust, dirt and other environmental factors. Likewise, these benefits make the PM32F-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 300nit brightness, the PM32F-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 haze coating drives smooth, uninterrupted on-screen navigation.



CONVENIENT DISPLAY CONTROL THROUGH A CENTRALIZED RECEIVER

The PM32F-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 PM32F-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			PM32F-BC	
Panel	Diagonal Size	Class	32	
		Measured	31.5" / 80.1cm	
	Type		60Hz E-LED BLU	
	Resolution		1920x1080 (16:9)	
	Pixel Pitch(mm)		0.360(H) x 0.360(V)	
	Active Display Area(mm)		698.4(H) x 392.85(V)	
	Brightness(Typ.)		300nit (w/ Touch Glass)	
	Contrast Ratio(Typ.)		5000:1	
	Viewing Angle(H/V)		178-178	
	Response Time(G-to-G)		8ms	
	Display Colors		10bit Dithering - 1.07Billion	
	Color Gamut		72%	
	Operation Hour		16/7	
Haze		2% (Panel), 15% (Glass)		
Display	Dynamic C/R		Mega	
	H-Scanning Frequency		30 ~ 81kHZ	
	V-Scanning Frequency		48 ~ 75HZ	
	Maximum Pixel Frequency		148.5MHz	
Sound	Speaker Type		Built in Speaker(10W + 10W)	
Connectivity	INPUT	RGB	DVI-I(D-Sub Common), Display Port 1.2 (1)	
		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 x 2 (Touch Sensor Data, PC1 / SoC1)	
	External Control		RS232C(In/Out) thru Stereo Jack, RJ45	
	External Sensor		N/A	
	Tuner		Yes (only for NA)	
Power	Type		Internal	
	Power Supply		AC 100 ~ 240 V, 50/60 Hz	
	Power Consumption	Max[W/h]		90
		Typical[W/h]		62
		BTU(Max)		306.9
		Sleep mode		less than 0.5W
Off mode		less than 0.5W		
Mechanical Spec	Dimension (mm)	Set	745.2 x 439.6 x 62.1	
		Package	845 X 543 X 148	
	Weight (kg)	Set		9.9
		Package		11.6
	VESA Mount		200x200	
	Protection Glass		3.2T Semi-Tempered Touch Glass	
Stand Type		Foot Stand (Optional)		
Operation	Bezel Width (Top/Side/Bot) (mm)		21.9 / 21.9 / 21.9	
	Operating Temperature		0°C~ 40°C	
	Humidity		10~80%	

PM32F-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			
		S/W		Magic Clone(to USB), Auto Source Switching & Recovery, RS232C/RJ45 MDC, Plug and Play, PIP/PBP, Image Rotation, Button Lock, DPT.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)	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		
			Accessories	Included		Quick Setup Guide, Regulatory Guide, Warranty Card, Power Cord, Remote Controller, Batteries, RS232C(IN) Gender, Cover Jack, USB Cable	
				Optional	Stand		STN-L3240E
					Mount		WMN4070SD
					Specialty		CML400XJ (TBD)
				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.

SMART Signage

For more information about Samsung SMART Signage PMF-BC Series, visit www.samsung.com/business or www.samsung.com/displaysolutions

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