Engage with and cater to customers at a higher level.

PMF-BC Series Touchscreen Smart Signage

Engage more people with impactful, attention-getting Samsung PMF-BC Series touchscreen signage displays. These durable all-in-one solutions feature an IP5X rating, making the PMF-BC Series ideal for self-serve menus in QSRs, for wayfinding in transportation centers, in retail locations, and for interactivity in conference rooms and other collaborative environments. With the powerful Tizen OS integrated into a Full HD Samsung commercial display, you can deliver rich content without the need for external devices. Samsung PMF-BC Series displays are a complete solution designed to engage and empower everyone who sees and touches them.

Key Features

All-in-One Solution Powered by Tizen OS
The Samsung PMF-BC Series combines an embedded media player, powerful Tizen OS, multi-touch interactivity, and premium Full HD Samsung displays into integrated all-in-one solutions. With the Samsung Smart Signage Platform 4.0, there's no need for an external set-back box or PC.

Multi-Point Capacitive Touch
With capacitive touch technology and a simplified UX, the PMF-BC Series can accommodate up to 10 unique touchpoints simultaneously.[1]

Bright, Non-Glare Panels Make Messages Easier to See
Brightness of 400 nits (55"/43") and 320 nits (32") delivers brilliant visibility, while 55" and 43" panels add non-glare, anti-reflective panels that reduce reflection and are easy to read.

IP5X for Lasting Durability
PMF-BC Series signage panels are rated IP5X dust-free for long-lasting, trouble-free operation without any additional housing.

Convenient Control with a Centralized IR Receiver
Control content easier with an intelligently designed IR receiver. Instead of a single point of reception, PMF-BC Series displays receive IR signals across their entire panels, making remote content control much easier and more reliable.

24/7 Runtime for Reliable, Continuous Operation
Commercial-level cooling technologies offer dependable reliability. The Samsung PMF-BC Series 55"/43" is designed to deliver messages all day and all night, while the 32" model delivers 16/7 runtime.
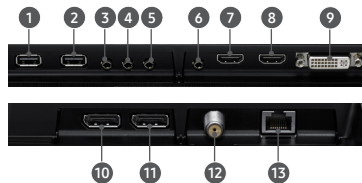
Contact Us: samsung.com/b2bdigitalsignage

Samsung PMF-BC Series
All-In-One Touchscreen Displays

		PM32F-BC	PM43F-BC	PM55F-BC
Panel	Diagonal Size	32"	43"	55"
	Type	60Hz E-LED BLU	60Hz E-LED BLU	60Hz E-LED BLU
	Resolution / Pixel Pitch (mm)	1920 x 1080 (16:9) / 0.360 (H) x 0.360 (V)	1920 x 1080 (16:9) / 0.49 (H) x 0.49 (V)	1920 x 1080 (16:9) / 0.630 (H) x 0.630 (V)
	Brightness (Typ.)	320 nits (with Touch Glass)	400 nits (with Touch Glass)	400 nits (with Touch Glass)
	Contrast Ratio (Typ.)	5000:1	3000:1	4000:1
	Viewing Angle (H / V)	178/178	178/178	178/178
	Response Time (G-to-G)	8ms	8ms	6ms
	Orientation	Landscape / Portrait	Landscape / Portrait	Landscape / Portrait
	Operation Hour	16/7	24/7	24/7
	Anti Reflective	N/A	44%	25%
Sound	Speaker Type	Built in Speaker (10W + 10W)	Built in Speaker (10W + 10W)	Built in Speaker (10W + 10W)
Connectivity	Input RGB	DVI-I (D-Sub Common), DisplayPort 1.2 (1)	DVI-I (D-Sub Common), DisplayPort 1.2 (1)	DVI-I (D-Sub Common), DisplayPort 1.2
	Input Video	HDMI 2.0 (2)	HDMI 2.0 (2)	HDMI 2.0 (2)
	Input HDCP	HDCP 2.2	HDCP 2.2	HDCP 2.2
	Input Audio	Stereo Mini Jack, RGB / DVI / HDMI	Stereo Mini Jack, RGB / DVI / HDMI	Stereo Mini Jack, RGB / DVI / HDMI
	Input USB	USB 2.0 x 2 (1 Used for Touch)	USB 2.0 x 2 (1 Used for Touch)	USB 2.0 x 2 (1 Used for Touch)
	Output RGB	DP1.2 (Loop-Out)	DP1.2 (Loop-Out)	DP1.2 (Loop-Out)
	Output Audio	Stereo Mini Jack	Stereo Mini Jack	Stereo Mini Jack
	Output USB	USB Type-B x 2 (Touch Sensor Data, PC 1 / SoC 1)	USB Type-B x 2 (Touch Sensor Data, PC 1 / SoC 1)	USB Type-B x 2 (Touch Sensor Data, PC 1 / SoC 1)
	External Control	RS232C (In / Out) Thru Stereo Jack, RJ45	RS232C (In / Out) Thru Stereo Jack, RJ45	RS232C (In / Out) Thru Stereo Jack, RJ45
	Tuner	Yes	Yes	Yes
Power	Type	Internal	Internal	Internal
	Power Supply	AC 100 ~ 240 V, 50/60 Hz	AC 100 - 240 V~ (+/- 10 %), 50/60 Hz	AC 100 - 240 V (+/- 10 %), 50/60 Hz
	Power Consumption Max (W / H)	90	154	187
	Power Consumption Typical (W / H)	306.9	117	125
	Power Consumption Sleep Mode	< 0.5W	< 0.5W	< 0.5W
	Power Consumption Off Mode	< 0.5W	< 0.5W	< 0.5W
Mechanical Specs.	Dimensions (Inches) Set (W x H x D)	29.3" x 17.3" x 2.4"	38.74" x 22.93" x 2.47"	49.1" x 28.8" x 2.3"
	Dimensions (Inches) Package (W x H x D)	31.3" x 19.0" x 5.2"	43.19" x 28.39" x 6.34"	54.1" x 34.0" x 7.9"
	Weight Set	19.6 lbs.	35.05 lbs.	58.2 lbs.
	Weight Package	22.7 lbs.	43.65 lbs.	70.5 lbs.
	Bezel Width (Top / Side / Bottom)	21.9 / 21.9 / 21.9 (mm)	25.0 / 20.0 / 25.0	25.0 / 17.9 / 25.0 (mm)
	VESA Mount	200 x 200 (mm)	200 x 200 (mm)	400 x 400 (mm)
	Bezel Width (Top / Side / Bottom)	21.9 / 21.9 / 21.9 (mm)	21.9 / 21.9 / 21.9 (mm)	25.0 / 17.9 / 25.0 (mm)
	VESA Mount	200 x 200	200 x 200	400 x 400
	Protection Glass	3.2T Semi-Tempered Touch Glass	3.2T Semi-Tempered Touch Glass	3.2T Semi-Tempered Touch Glass
	Stand Type	Foot Stand (Optional)	Foot Stand (Optional)	Foot Stand (Optional)
Environmental Conditions	Operating Temperature	0°F to 104°F	0°F to 104°F	0°F to 104°F
	Operating Humidity	10 ~ 80%	10 ~ 80%	10 ~ 80%
Features	Special Hardware	Non-Glare Touch Panel, Temperature Sensor, Videowall (15 x 15 [OSD]), Videowall Daisy Chain (16), Pivot Display, Clock Battery (168 hrs. Clock Keeping), Built in Speaker (10W x 2), Wi-Fi Module Embedded, Tuner (Only for NA), Center IR	Non-Glare Touch Panel, Temperature Sensor, Videowall (15 x 15 [OSD]), Videowall Daisy Chain (16), Pivot Display, Clock Battery (168 hrs. Clock Keeping), Built in Speaker (10W x 2), Wi-Fi Module Embedded, Tuner (Only for NA), Center IR	Non-Glare Touch Panel, Temperature Sensor, Videowall (15 x 15 [OSD]), Videowall Daisy Chain (16), Pivot Display, Clock Battery (168 hrs. Clock Keeping), Built in Speaker (10W x 2), Wi-Fi Module Embedded, Tuner (Only for NA), Center IR
	Special Software	Magic Clone (to USB), Auto Source Switching and Recovery, RS232C / RJ45 MDC, Plug and Play, PIP / PBP (Only for NA), 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	Magic Clone (to USB), Auto Source Switching and Recovery, RS232C / RJ45 MDC, Plug and Play, PIP / PBP (Only for NA), 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	Magic Clone (to USB), Auto Source Switching and Recovery, RS232C / RJ45 MDC, Plug and Play, PIP / PBP (Only for NA), 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) Processor	Cortex-A12 1.3GHz Quad Core CPU	Cortex-A12 1.3GHz Quad Core CPU	Cortex-A12 1.3GHz Quad Core CPU
	Internal Player On-Chip Cache Memory	L1 (I/D): 32KB / 32KB L2 (Unified): 1MB	L1 (I/D): 32KB / 32KB L2 (Unified): 1MB	L1 (I/D): 32KB / 32KB L2 (Unified): 1MB
	Internal Player Clock Speed	1.3GHz CPU Quad	1.3GHz CPU Quad	1.3GHz CPU Quad
	Internal Player Main Memory Interface	2.5GB 3 Channel 96 bit DDR3-933 (1866MHz)	2.5GB 3 Channel 96 bit DDR3-933 (1866MHz)	2.5GB 3 Channel 96 bit DDR3-933 (1866MHz)
	Internal Player Graphics	2D & 3D Graphics Engine - Up to 3840 x 2160p 32bpp - Supports OpenGL ES	2D & 3D Graphics Engine - Up to 3840 x 2160p 32bpp - Supports OpenGL ES	2D & 3D Graphics Engine - Up to 3840 x 2160p 32bpp - Supports OpenGL ES
	Internal Player Storage (FDM)	8 GB (3.75 GB Occupied by O/S, 4.25 GB Available)	8 GB (3.75 GB Occupied by O/S, 4.25 GB Available)	8 GB (3.75 GB Occupied by O/S, 4.25 GB Available)
	Internal Player 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	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	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
	Internal Player IO Ports	USB 2.0	USB 2.0	USB 2.0
	Internal Player Operating System	Tizen 2.4 (VDLinux)	Tizen 2.4 (VDLinux)	Tizen 2.4 (VDLinux)
Green Management	Safety	UL (USA): cUL60950-1	UL (USA): cUL60950-1	UL (USA): cUL60950-1
	EMC	FCC (USA) Part 15, Subpart B Class A	FCC (USA) Part 15, Subpart B Class A	FCC (USA) Part 15, Subpart B Class A
Accessories	Included	Quick Setup Guide, Regulatory Guide , Warranty Card, Power Cord, Remote Controller, Batteries, RS232C (IN) Gender, Cover Jack, USB Cable	Quick Setup Guide, Regulatory Guide , Warranty Card, Power Cord, Remote Controller, Batteries, RS232C (IN) Gender, Cover Jack, USB Cable	Quick Setup Guide, Regulatory Guide , Warranty Card, Power Cord, Remote Controller, Batteries, RS232C (IN) Gender, Cover Jack, USB Cable
	Optional Stand	STN-L3240E	STN-L3240E	STN-L4655E
	Optional Mount	WMN4070SD	WMN4070SD, WMN4070SE	WMN4270SD
	Optional Specialty	CML400XJ	CML400XJ	N/A
	Optional Media Player	SBB	SBB	SBB
Service	Standard Warranty	3 Years Onsite (Parts / Labor / Backlight)	3 Years Onsite (Parts / Labor / Backlight)	3 Years Onsite (Parts / Labor / Backlight)

Connectivity

1. USB 1
2. USB 2
3. RS232C In
4. RS232C Out
5. Audio In
6. Audio Out
7. HDMI 1
8. HDMI 2
9. DVI / RGB / MagicInfo In
10. DP In
11. DP Out
12. Antenna In
13. RJ45

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[1]Number of available touchpoints varies depending on configuration. Connected external PCs provide the PMF-BC with 10 touchpoints, while the integrated OS supports two additional touchpoints.