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SAMSUNG

Samsung Smart Signage Small Display

QB24R-B / QB24R-TB

Enhanced communication in a compact display

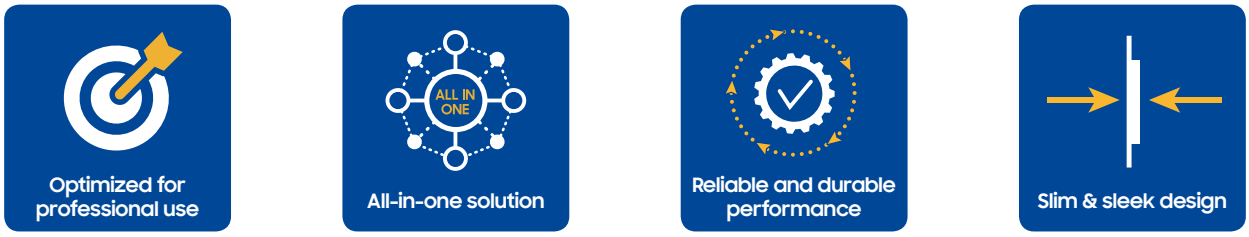


Industry trend

With an ever-growing need to create differentiated brick-and-mortar locations, providing a unique in-store experience is critically important for elevating a brand and driving sales. Therefore, businesses are finding new and effective ways to engage customers by making the most of every customer touch point. Small-sized displays are being adapted as common tools in various environments. More personalized, intimate content can reach the right audience at optimal points in time, increasing engagement and sales opportunities. Efficient content management and reliable performance ensure businesses can operate the displays without any hassle.

Introducing Samsung Small Displays

Samsung is introducing the two latest versatile, small-sized displays, the QB24R-B and touch-enabled QB24R-TB. Designed for professional use, Samsung's QB24R-B and QB24R-TB deliver clear content using the embedded MagicINFO S media player, supported by reliable 16/7 operation and industry standard certification to ensure safe operation and simple, reliable performance.



QB24R-B : Small Display

The QB24R-B is a small display that packs a heavy punch with FHD resolution delivering vivid, eye-catching text and content. Ideal for highlighting targeted promotions to drive purchase of key items on store shelves or nearby walls. Crisp visuals and powerful content playback help drive greater engagement and immediate customer interaction at the point of purchase. The display's compact design and clear visuals also make it an excellent choice for posting schedules for meeting rooms, classrooms.



QB24R-TB : Touch Display

With integrated capacitive touch functionality, the QB24R-TB provides a user-friendly experience. Its 10-point multi-touch and fast response time powers an intuitive interface that allows for customer-driven search and action. QB24R-TB is optimized for any interaction in locations such as health-care facilities, check-in at the gym, an automotive showroom, as well as any retail or restaurant environment where businesses would want to offer a personalized service while also acquiring customer data.



Key features

16/7

Non-glare



Crisp and visible content

Samsung's QB24R-B and QB24R-TB are enhanced by a non-glare panel which always delivers clear images and text regardless of any ambient light. This essential feature is supported by reliable 16/7 operation, suitable for professional use.



Slim design

The compact and slim design of the display allows for efficient space utilization, even in compact locations. A sleek rear design makes the display optimal for wall mounting while the connectivity, content play and device controls are easy to operate.

*Depth of QB24R-TB is 34.6 mm

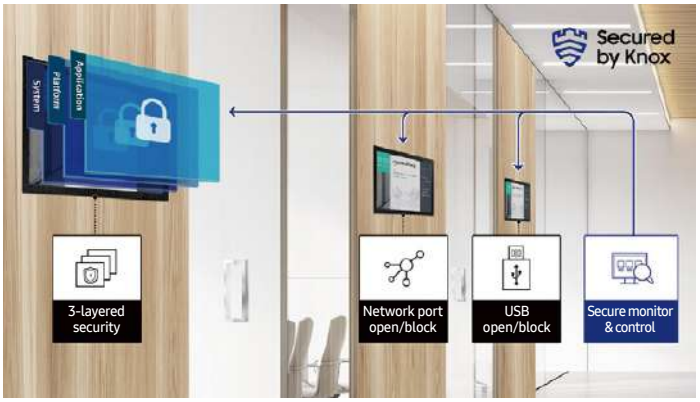
MagicINFO S

Embedded media player



Powerful content playback

With an embedded MagicINFO S player, backed by TIZEN, the QB24R-B and QB24R-TB allow efficient and seamless playback without any external media player. SSSP also allows easy content development through reinforced compatibility with multiple web formats.



Comprehensive security setup

The powerful Knox security system provides rigid, three-layer security, offering airtight protection at the application, platform and system level, while restricting access to content and hardware. In addition, remote control of the network and USB ports prevents any unauthorized access.



Convenient, clean display control

With center IR, each display receives IR signals direct to the panel, allowing easy and convenient remote control. When mounted, the display doesn't require an IR receiver cabling extension. Built-in Wi-Fi allows wireless remote management for both content and display.

EMC Class B

IP5x Rating

Safe operation, reliable performance

The QB24R-B and QB24R-TB display are electromagnetic compatibility (EMC) class B compliant, meeting strict safety and reliability standards for operation. Additionally, IP5x rating ensures durable performance even in dusty environments.

Specifications

Model			QB24R-B	QB24R-TB
Panel	Diagonal Size	Class	24	24
		Measured	23.8	23.8
	Type		ADS	ADS
	Resolution		FHD (1920 x 1080)	FHD (1920 x 1080)
	Pixel Pitch (mm)		0.2745 x 0.2745	0.2745 x 0.2745
	Active Display Area		527.04 (H) x 296.46 (V)	527.04 (H) x 296.46 (V)
	Brightness(Typ.)		250	250 (w/o Glass)
	Contrast Ratio (Typ.)		1000:1	1000:1 (w/o Glass)
	Viewing Angle(H/V)		178/178	178/178
	Response Time (G to G)		14ms (Typ.)	14ms (Typ.)
	Display Colors		16.7 M (real 6bit, dither 8bit)	16.7 M (real 6bit, dither 8bit)
	Color Gamut		72%	72%
	Operation Hour		16/7	16/7
	Haze		25%	10%
Display	Dynamic C/R		MEGA	MEGA
	H-Scanning Frequency		56 ~ 84.5kHz	56 ~ 84.5kHz
	V-Scanning Frequency		48 ~ 75HZ	48 ~ 75HZ
	Maximum Pixel Frequency		594MHz	594MHz
Sound	Speaker Type		Built in Speaker (5W)	Built in Speaker (5W)
Connectivity	INPUT	RGB	N/A	N/A
		VIDEO	HDMI 1.4 (1)	HDMI 1.4 (1)
		HDCP	HDCP 2.2	HDCP 2.2
		AUDIO	N/A	N/A
		USB	USB 2.0 x 1	USB 2.0 x 1
	OUTPUT	RGB	N/A	N/A
		VIDEO	N/A	N/A
		AUDIO	Stereo Mini Jack	Stereo Mini Jack
		Power Out	N/A	Power Out - N/A / Touch Out - x1
		USB	N/A	N/A
	EXTERNAL CONTROL		RS232C (in) thru stereo jack, RJ45	RS232C (in) thru stereo jack, RJ45
	EXTERNAL SENSOR		N/A	N/A
	Tuner		N/A	N/A
Power	Type		Internal	Internal
	Power Supply		AC 100 - 240 V, 50/60 Hz	AC 100 - 240 V, 50/60 Hz
	Power Consumption	Max[W/h]	38.5	38.5
		Typical[W/h]	25	28
		Rating[W/h]	35	35
		BTU(Max)	131.3	131.3
		Sleep mode	0.5	0.5
		Off mode	N/A	N/A
Mechanical Spec	Dimension(mm)	Set	547.9 x 334.4 x 31.8	547.9 x 334.4 x 34.6
		Package	620 x 419 x 122	620 x 419 x 122
	Weight (kg)	Set	3.0	4.0
		Package	4.1	5.2
	VESA Mount		100 x 100	100 x 100
	Protection Glass		N/A	2.0T
	Stand Type		N/A	N/A
	Bezel Width (Top/Side/Bot) (mm)		17.9mm (U/B), 9.4mm (L/R)	17.9mm (U/B), 9.4mm (L/R)
Operation	Operating Temperature		0°C~ 40°C	0°C~ 40°C
	Humidity		10 ~ 80%	10 ~ 80%
Feature	Key		Small Signage Display Slim & Light Signage with Built-in MagicInfo S6, SSSP 6.0	Small Touch Signage Display Slim & Light Signage with Built-in MagicInfo S6, SSSP 6.0
	Special	H/W	Temperature Sensor, Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker (5W 1ch), IP5x Rating, Wi-Fi	Temperature Sensor,Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker (5W 1ch), IP5x Rating, Wi-Fi, 10 Point Touch (Max)
		S/W	Auto Source Switching & Recovery, LFD Home UI, Button Lock, Hot key option, Plug&Play (Initial Setting)	Auto Source Switching & Recovery, LFD Home UI, Button Lock, Hot key option, Plug&Play (Initial Setting)
	Internal Player (Embedded H/W)	Processor	Cortex A72 1.7GHz Quad-Core CPU	Cortex A72 1.7GHz Quad-Core CPU
		On-Chip Cache Memory	L1 Instruction Cache : 48KB L1 Data Cache : 32KB L2 Cache : 2MB	L1 Instruction Cache : 48KB L1 Data Cache : 32KB L2 Cache : 2MB
		Clock Speed	1.7GHz	1.7GHz
		Main Memory Interface	2.5GB LPDDR4 1.5GHz 64bit	2.5GB LPDDR4 1.5GHz 64bit
		Graphics	Graphic resolution : 1920 x 1080 Output resolution : 1920 x 1080 (Scale up from graphic processing result.)	Graphic resolution : 1920 x 1080 Output resolution : 1920 x 1080 (Scale up from graphic processing result.)
		Storage (FDM)	8GB (3.88GB Occupied by O/S, 4.12GB Available)	8GB (3.88GB Occupied by O/S, 4.12GB Available)
		Multimedia	*Video Decoder : MPEG-1/2/4, H.263, H.264/AVC, UHD H.264/AVC, VC-1, HEVC, JPEG, PNG, VP8, VP9 *Audio Decoder : AC3 (DD), MPEG	*Video Decoder : MPEG-1/2/4, H.263, H.264/AVC, UHD H.264/AVC, VC-1, HEVC, JPEG, PNG, VP8, VP9 *Audio Decoder : AC3 (DD), MPEG
		IO Ports	USB 2.0	USB 2.0
		Operating System	Tizen 4.0 (VDLinux)	Tizen 4.0 (VDLinux)
Certification	Safety		60950-1	60950-1
	EMC		Class B	Class B
	Environment		ENERGY STAR 8.0, Epeat	ENERGY STAR 8.0, Epeat
	Security		802.1 x (WPA2 Enterprise) : EAP-TLS, EAP-TTLS, EAP-PEAP	802.1 x (WPA2 Enterprise) : EAP-TLS, EAP-TTLS, EAP-PEAP
Accessories	Included		Quick Setup Guide, Warranty Card, Power Cord, Remote Controller, Batteries	Quick Setup Guide, Warranty Card, Power Cord, Remote Controller, Batteries, USB Cable
	Optional	Stand	N/A	N/A
		Mount	N/A	N/A
		Specialty	N/A	N/A
		Media Player	N/A	N/A

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For more information about Samsung Smart Signage QB24R-B, QB24R-TB Displays, visit www.samsung.com/business or www.samsung.com/displaysolutions

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