

13"	QB13R	24"	QB24R
13"	QB13R-T	24"	QB24R-T



## Small ways to make a huge impact.

### QBR Series Small High-Resolution Digital Signage

Opportunities to reach more customers are everywhere. And the Samsung QBR series small digital signage lets you make the most of them. Ideal for retail environments, meeting rooms and public spaces, QBR series small signage features Full HD resolution. Every message will be brilliant and crystal-clear. An embedded media player functionality (SoC) means you can easily display content with no external PC required. And the QB13R-T and QB24R-T add embedded touch screens, for added functionality.



QBR Series, 13" Display

QBR Series, 24" Display

### Key Features



#### Small size with full functionality

Slim designs allow for efficient space utilization, even in compact locations. A sleek back design makes the displays optimal for both wall mounting or simply standing.



#### Crisp and visible content, 16/7

1920x1080 FHD resolution delivers crisp and easy-to-read content. The 24" models add a non-glare panel, for clear content in any ambient light. And reliable 16/7 operation makes them ideal for professional use.



#### Powerful, All-in-One Solution

The Samsung SMART Signage Platform (SSSP) is an all-in-one solution that simplifies installation and maintenance. The built-in media player allows you to create, edit and schedule content without needing a separate PC.



#### MagicINFO

Our leading-edge digital signage platform makes content management easier, more flexible and more robust.\*



#### Built-in Wi-Fi

In addition to HDMI, USB and HDCP 2.2 connectivity, the built-in Wi-Fi allows wireless remote management for both content and display. With Wi-Fi control of content, you can eliminate LAN cables, simplifying installation.



#### IP5X for lasting durability

IP5X rating ensures efficient and reliable performance even in dusty environments and public spaces, which reduces overall cost of operation.



#### Embedded Touch Screen (QB13R-T / QB24R-T)

The QB13R-T / QB24R-T models provide a more user-friendly experience. 10-point multi-touch capability and fast response times power an intuitive interface that creates new customer interactions and purchases.



#### Landscape or Portrait Pivot Design

QBR small signage displays are versatile. They can display your content in landscape or portrait mode.



#### 3-Year Commercial Warranty

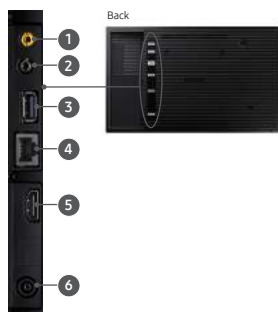
A 3-year warranty means extended peace of mind.

# Samsung QBR Series Small Digital Signage

			QB13R	QB13R-T	QB24R	QB24R-T	
Panel	Diagonal Size	Class	13" 13.27"	13" 13.27"	24" 23.8"	24" 23.8"	
	Panel Type	Measured	Edge LED	Edge LED	ADS	ADS	
	Resolution		FHD (1920 x 1080)	FHD (1920 x 1080)	FHD (1920 x 1080)	FHD (1920 x 1080)	
	Pixel Pitch (mm)		0.153 x 0.153	0.153 x 0.153	0.2745 x 0.2745	0.2745 (H) x 0.2745 (V)	
	Active Display Area		293.76 (H) x 165.24 (V)	293.76 (H) x 165.24 (V)	527.04 (H) x 296.46 (V)	527.04 (H) x 296.46 (V)	
	Brightness (Typ.)		300 nits	250 nits	250 nits	250 nits (w/o Glass)	
	Contrast Ratio (Typ.)		800:1	600:1	1000:1	1000:1 (w/o Glass)	
	Viewing Angle (H / V)		178° / 178°	178° / 178°	178° / 178°	178° / 178°	
	Response Time (G-to-G)		8ms (Typ.)	8ms (Typ.)	14ms (Typ.)	14ms (Typ.)	
	Display Colors		16.7 M (Real 6-bit, Dither 8-bit)	16.7 M (Real 6-bit, Dither 8-bit)	16.7 M (Real 6-bit, Dither 8-bit)	16.7 M (Real 6-bit, Dither 8-bit)	
	Color Gamut		45%	45%	72%	72%	
	Operation Hour		16 / 7	16 / 7	16 / 7	16 / 7	
	Panel Orientation		Landscape / Portrait	Landscape / Portrait	Landscape / Portrait	Landscape / Portrait	
Special Certifications	IP5X Rating		Yes	Yes	Yes	Yes	
	Non-Glare Panel		No	No	Yes	Yes	
	Cisco Compatible		N/A	N/A	N/A	N/A	
	Crestron Certified		Yes	Yes	N/A	N/A	
Sound	Speaker Type		Built in Speaker (5W)	Built in Speaker (5W)	Built in Speaker (5W)	Built in Speaker (5W)	
Connectivity: Input	RGB		N/A	N/A	N/A	N/A	
	Video		HDMI 1.4 (1)	HDMI 1.4 (1)	HDMI 1.4 (1)	HDMI 1.4 (1)	
	HDCP		HDCP 2.2	HDCP 2.2	HDCP 2.2	HDCP 2.2	
	Audio		N/A	N/A	N/A	N/A	
	USB		USB 2.0 x 1	USB 2.0 x 1	USB 2.0 x 1	USB 2.0 x 1	
Connectivity: Output	RGB		N/A	N/A	N/A	N/A	
	Video		N/A	N/A	N/A	N/A	
	Audio		Stereo Mini Jack	Stereo Mini Jack	Stereo Mini Jack	Stereo Mini Jack	
	Power Out		N/A	NA	N/A	N/A	
	Touch Out		N/A	Yes, 1	NA	Yes, 1	
External Control	External Control		RS232C (in) thru Stereo Jack, RJ45	RS232C (in) thru Stereo Jack, RJ45	RS232C (in) thru Stereo Jack, RJ45	RS232C (in) thru Stereo Jack, RJ45	
	External Sensor		N/A	N/A	N/A	N/A	
Power/Operation	Turner		N/A	N/A	N/A	N/A	
	Type		Adapter	Adapter	Internal	Internal	
	Power Supply		AC 100 - 240 V- (+/-10 %), 50/60 Hz	AC 100 - 240 V- (+/-10 %), 50/60 Hz	AC 100 - 240 V- (+/-10 %), 50/60 Hz	AC 100 - 240 V- (+/-10 %), 50/60 Hz	
	Power Consumption Max [W / H]		27.5	27.5	38.5	38.5	
	Power Consumption Typical [W / H]		13	14	25	TBD	
	Power Consumption Rating [W / H]		25	25	35	TBD	
	Power Consumption Typical BTU (Max)		93.8	93.8	131.3	TBD	
	Power Consumption Typical Sleep Mode		0.5	0.5	0.5	0.5	
	Power Consumption Typical Off Mode		N/A	N/A	N/A	N/A	
Mechanical Specifications	Set Dimensions		322.0 x 193.5 x 28.2mm / 12.68" x 7.62" x 1.11"	322.0 x 193.5 x 29.8mm / 12.68" x 7.62" x 1.17"	547.9 x 334.4 x 31.8mm / 21.57" x 13.17" x 1.25"	547.9 x 334.4 x 34.6mm / 21.57" x 13.17" x 1.36"	
	Package Dimensions		376 x 132 x 248mm / 14.8" x 5.2" x 9.76"	376 x 132 x 248mm / 14.8" x 5.2" x 9.76"	620 x 419 x 122mm / 24.41" x 16.5" x 4.8"	620 x 419 x 122mm / 24.41" x 16.5" x 4.8"	
	Set Weight		0.9 kg / 1.98 lbs	1.1 kg / 2.43 lbs	3.0 kg / 6.6 lbs	4.0 kg / 8.8 lbs	
	Package Weight		1.7 kg / 3.75 lbs	1.9 kg / 4.19 lbs	4.1 kg / 9 lbs	5.2 kg / 11.5 lbs	
	VESA Mount		100 x 100	100 x 100	100 x 100	100 x 100	
	Protection Glass		N/A	N/A	N/A	2.0T	
Stand Type	Bar Type Simple Stand (In box)		Bar Type Simple Stand (In box)	Bar Type Simple Stand (In box)	N/A	N/A	
	Bezel Width (Top/Side/Bottom) (mm)		12.1mm	13.1mm	17.9mm(U/B), 9.4mm(L/R)	17.9mm(U/B), 9.4mm(L/R)	
Environmental Conditions	Operating Temperature		32° F - 104° F / 0° C - 40° C	32° F - 104° F / 0° C - 40° C	32° F - 104° F / 0° C - 40° C	32° F - 104° F / 0° C - 40° C	
	Humidity		10 - 80%	10 - 80%	10 - 80%	10 - 80%	
Special Features	Key		Small Signage Display, Slim & Light Signage with Built-in MagicInfo S6, SSSP 6.0 Temperature Sensor, Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker (5W 1ch), IP5X Rating, Wi-Fi	Small Signage Display, Slim & Light Signage with Built-in MagicInfo S6, SSSP 6.0 Temperature Sensor, Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker (5W 1ch), IP5X Rating, Wi-Fi, 10 Point Touch (Max)	Small Signage Display Slim & Light Signage with Built-in MagicInfo S6, SSSP 6.0 Temperature Sensor, Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker (5W 1ch), IP5X Rating, Wi-Fi/BT	Small Signage Display Slim & Light Signage with Built-in MagicInfo S6, SSSP 6.0 Temperature Sensor, Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker (5W 1ch), IP5X Rating, Wi-Fi/BT	
	Special	Hardware		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)	Auto Source Switching & Recovery, LFD Home UI, Button Lock, Hot key option, Plug & Play (Initial Setting)	
		Software					
Internal Media Player	Processor		Cortex A72 1.7GHz Quad-Core CPU	Cortex A72 1.7GHz Quad-Core CPU	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	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	1.7GHz	1.7GHz	
	Main Memory Interface		2.5GB LPDDR4 1.5GHz 64bit	2.5GB LPDDR4 1.5GHz 64bit	2.5GB LPDDR4 1.5GHz 64bit	2.5GB LPDDR4 1.5GHz 64bit	
	Graphics	Graphic Resolution		1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
		Output Resolution		3840 x 2160 (Scale up from graphic processing result)	3840 x 2160 (Scale up from graphic processing result)	3840 x 2160 (Scale up from graphic processing result)	3840 x 2160 (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)	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	MPEG-1/2/4, H.263, H.264/AVC, UHD H.264/AVC, VC-1, HEVC, JPEG, PNG, VP8, VP9	MPEG-1/2/4, H.263, H.264/AVC, UHD H.264/AVC, VC-1, HEVC, JPEG, PNG, VP8, VP9	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	AC3 (DD), MPEG	AC3 (DD), MPEG	AC3 (DD), MPEG
	IO Ports		USB 2.0	USB 2.0	USB 2.0	USB 2.0	
Operating System		Tizen 4.0 (VDLinux)	Tizen 4.0 (VDLinux)	Tizen 4.0 (VDLinux)	Tizen 4.0 (VDLinux)		
SSSP / MagicINFO		SSSP 6.0 / MagicINFO S6	SSSP 6.0 / MagicINFO S6	SSSP 6.0 / MagicINFO S6	SSSP 6.0 / MagicINFO S6		
Safety and Environmental Certifications	Safety		60950-1	60950-1	60950-1	60950-1	
	EMC		Class B	Class B	TBD	TBD	
	Environment		TBD	TBD	TBD	TBD	
Accessories	Included		Quick Setup Guide, Warranty Card, Power Cord, Remote Controller, Batteries, Bar Type Simple Stand	Quick Setup Guide, Warranty Card, Power Cord, Remote Controller, Batteries, Bar Type Simple Stand, USB Cable	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	N/A	N/A	
		Mount	N/A	N/A	N/A	N/A	
Specialty		N/A	N/A	N/A	N/A		
Service	Warranty		3 Years (Parts / Labor / Backlight)	3 Years (Parts / Labor / Backlight)	3 Years (Parts / Labor / Backlight)	3 Years (Parts / Labor / Backlight)	

## Connectivity

QBR Series 13" Display



QBR Series 24" Display



1. Audio Out
2. RS232C In
3. USB (1.0A)
4. RJ45
5. HDMI In
6. DC 14V
7. IR

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