Specifications

Model		QM43C	QM50C	QM55C	QM65C	QM75C	QM85C
Display Panel	Diagonal Size — Class	43	50	55	65	75	85
	Measured	42.5	48.5	54.6	64.5	74.5	84.5
	Resolution	3,840 x 2,160 (16:9)	3,840 x 2,160 (16:9)	3,840 x 2,160 (16:9)	3,840 x 2,160 (16:9)	3,840 x 2,160 (16:9)	3,840 x 2,160 (16:9)
	Brightness (Typ.)	500 nit	500 nit	500 nit	500 nit	500 nit	500 nit
	Orientation	Landscape/Portrait	Landscape/Portrait	Landscape/Portrait	Landscape/Portrait	Landscape/Portrait	Landscape/Portrait
	Haze	25%	25%	25%	25%	25%	25%
	Contrast Ratio (Typ.)	4,000:1 (* IPS -1,200:1)	4,000:1 (* IPS -1,200:1)	4,000:1	4,000:1	4,000:1	4,000:1
	Type	VA/IPS	VA/IPS	VA	VA	VA	VA
	Active Display Area	941.184 (H) x 529.416 (V)	1,095.84 (H) x 616.4 (V)	1,209.6 (H) x 680.4 (V)	1,428.48 (H) x 803.5 2(V)	1,650.24 (H) x 928.26 (V)	1,872.0 (H) x 1,053.01 (V)
	Pixel Pitch (mm)	0.245 x 0.245	0.285 x 0.285	0.315 x 0.315	0.372 x 0.372	0.429 x 0.429	0.487 x 0.487
	Color Gamut	NTSC 72%	NTSC 72%	NTSC 72%	NTSC 72%	NTSC 72%	NTSC 72%
	Operation Hour	24/7	24/7	24/7	24/7	24/7	24/7
Connectivity / Sound	Input — Video	DP1.2 (1), HDMI 2.0 (3)	DP1.2 (1), HDMI 2.0 (3)	DP1.2 (1), HDMI 2.0 (3)	DP1.2 (1), HDMI 2.0 (3)	DP1.2 (1), HDMI 2.0 (3)	DP1.2 (1), HDMI 2.0 (3)
	Input — Audio	N/A	N/A	N/A	N/A	N/A	N/A
	Input — USB	USB 2.0 x 2	USB 2.0 x 2	USB 2.0 x 2	USB 2.0 x 2	USB 2.0 x 2	USB 2.0 x 2
	Input — Tuner	N/A	N/A	N/A	N/A	N/A	N/A
	Output — Video	N/A	N/A	N/A	N/A	N/A	N/A
	Output — Audio	Stereo mini Jack	Stereo mini Jack	Stereo mini Jack	Stereo mini Jack	Stereo mini Jack	Stereo mini Jack
	Output — USB	N/A	N/A	N/A	N/A	N/A	N/A
	WiFi / BT	O/O	O/O	O/O	O/O	O/O	O/O
	External Control	RS232C (In/Out), RJ45	RS232C (In/Out), RJ45	RS232C (In/Out), RJ45	RS232C (In/Out), RJ45	RS232C (In/Out), RJ45	RS232C (In/Out), RJ45
	Speaker	10W 2ch	10W 2ch	10W 2ch	10W 2ch	10W 2ch	10W 2ch
Mechanical Spec	Dimension (mm) — Set	969.5 x 557.8 x 28.5	1,124.1 x 644.8 x 28.5	1,239 x 708.8 x 28.5	1,456.8 x 831.9 x 28.5	1,682.3 x 960.4 x 28.5	1,904.3 x 1085.3 x 28.5
	Dimension (mm) — Package	TBD	TBD	TBD	TBD	TBD	TBD
	Weight (kg) — Set	TBD	TBD	TBD	TBD	TBD	TBD
	Weight (kg) — Package	TBD	TBD	TBD	TBD	TBD	TBD
	VESA Mount	200 x 200	200 x 200	200 x 200	400 x 300	400 x 400	400 x 400
	VESA Mount Screw (Min~Max)	M8, 12~14mm	M8, 12~14mm	M8, 12~14mm	M8, 12~14mm	M8, 12~14mm	M8, 12~14mm
	Bezel Width (mm)	11.5 (Even)	11.5 (Even)	11.5 (Even)	11.5 (Even)	13.4 (Even)	13.9 (Even)
Features	Key	UHD Signage with Built-in MagicInfoS10, SSSP10.0	UHD Signage with Built-in MagicInfoS10, SSSP10.0	UHD Signage with Built-in MagicInfoS10, SSSP10.0	UHD Signage with Built-in MagicInfoS10, SSSP10.0	UHD Signage with Built-in MagicInfoS10, SSSP10.0	UHD Signage with Built-in MagicInfoS10, SSSP10.0
	Internal Player — Operating System	Tizen 7.0	Tizen 7.0	Tizen 7.0	Tizen 7.0	Tizen 7.0	Tizen 7.0
	Internal Player — Processor	CA73 1.6GHz Quad-Core	CA73 1.6GHz Quad-Core	CA73 1.6GHz Quad-Core	CA73 1.6GHz Quad-Core	CA73 1.6GHz Quad-Core	CA73 1.6GHz Quad-Core
	Internal Player — Storage (FDM)	16GB (10GB available)	16GB (10GB available)	16GB (10GB available)	16GB (10GB available)	16GB (10GB available)	16GB (10GB available)
	Special — H/W	2nd Gen. B2B Design Center IR Temperature Sensor Ambient Sensor Auto Level Wi-Fi (2.4/5.0GHz dual) & BT	2nd Gen. B2B Design Center IR Temperature Sensor Ambient Sensor Auto Level Wi-Fi (2.4/5.0GHz dual) & BT	2nd Gen. B2B Design Center IR Temperature Sensor Ambient Sensor Auto Level Wi-Fi (2.4/5.0GHz dual) & BT	2nd Gen. B2B Design Center IR Temperature Sensor Ambient Sensor Auto Level Wi-Fi (2.4/5.0GHz dual) & BT	2nd Gen. B2B Design Center IR Temperature Sensor Ambient Sensor Auto Level Wi-Fi (2.4/5.0GHz dual) & BT	2nd Gen. B2B Design Center IR Temperature Sensor Ambient Sensor Auto Level Wi-Fi (2.4/5.0GHz dual) & BT
	Special — S/W	Signage New Home Workspace (Microsoft371/VMWare/RDP) Custom Home Auto Source Switching & Recovery Dicom Simulation Mode Director Mode SmartView+ Upgradable Web-Engine Tizen Enterprise Platform Video Conference Solution Smart Calibration	Signage New Home Workspace (Microsoft371/VMWare/RDP) Custom Home Auto Source Switching & Recovery Dicom Simulation Mode Director Mode SmartView+ Upgradable Web-Engine Tizen Enterprise Platform Video Conference Solution Smart Calibration	Signage New Home Workspace (Microsoft371/VMWare/RDP) Custom Home Auto Source Switching & Recovery Dicom Simulation Mode Director Mode SmartView+ Upgradable Web-Engine Tizen Enterprise Platform Video Conference Solution Smart Calibration	Signage New Home Workspace (Microsoft371/VMWare/RDP) Custom Home Auto Source Switching & Recovery Dicom Simulation Mode Director Mode SmartView+ Upgradable Web-Engine Tizen Enterprise Platform Video Conference Solution Smart Calibration	Signage New Home Workspace (Microsoft371/VMWare/RDP) Custom Home Auto Source Switching & Recovery Dicom Simulation Mode Director Mode SmartView+ Upgradable Web-Engine Tizen Enterprise Platform Video Conference Solution Smart Calibration	Signage New Home Workspace (Microsoft371/VMWare/RDP) Custom Home Auto Source Switching & Recovery Dicom Simulation Mode Director Mode SmartView+ Upgradable Web-Engine Tizen Enterprise Platform Video Conference Solution Smart Calibration
Certification	Safety	60950-1/62368-1	60950-1/62368-1	60950-1/62368-1	60950-1/62368-1	60950-1/62368-1	60950-1/62368-1
	EMC	Class B	Class B	Class B	Class B	Class B	Class A
	Environment	ENERGY STAR 8.0, EPEAT	ENERGY STAR 8.0, EPEAT	ENERGY STAR 8.0, EPEAT	ENERGY STAR 8.0, EPEAT	ENERGY STAR 8.0, EPEAT	ENERGY STAR 8.0, EPEAT
	IP Rating	IP5x	IP5x	IP5x	IP5x	IP5x	IP5x
	Security	802.1 x (WPA2 Enterprise) : EAP-TLS, EAP-TTLS, EAP-PEAP	802.1 x (WPA2 Enterprise) : EAP-TLS, EAP-TTLS, EAP-PEAP	802.1 x (WPA2 Enterprise) : EAP-TLS, EAP-TTLS, EAP-PEAP	802.1 x (WPA2 Enterprise) : EAP-TLS, EAP-TTLS, EAP-PEAP	802.1 x (WPA2 Enterprise) : EAP-TLS, EAP-TTLS, EAP-PEAP	802.1 x (WPA2 Enterprise) : EAP-TLS, EAP-TTLS, EAP-PEAP
Power	Power Supply	AC 100 - 240 V, 50/60 Hz	AC 100 - 240 V, 50/60 Hz	AC 100 - 240 V, 50/60 Hz	AC 100 - 240 V, 50/60 Hz	AC 100 - 240 V, 50/60 Hz	AC 100 - 240 V, 50/60 Hz
	Power Consumption — Max[W/h]	TBD	TBD	TBD	TBD	TBD	TBD
	Power Consumption — Typical[W/h]	TBD	TBD	TBD	TBD	TBD	TBD
	Power Consumption — Sleep mode	less than 0.5W	less than 0.5W	less than 0.5W	less than 0.5W	less than 0.5W	less than 0.5W
Operating Condition	Temperature	0°C~ 40°C	0°C~ 40°C	0°C~ 40°C	0°C~ 40°C	0°C~ 40°C	0°C~ 40°C
	Relative Humidity	10~80%	10~80%	10~80%	10~80%	10~80%	10~80%
Accessories	Included	Quick Setup Guide, Warranty Card, Power Cord RS232C (In) Gender Remote Controller & Batteries STN-L4355C	Quick Setup Guide, Warranty Card, Power Cord RS232C (In) Gender Remote Controller & Batteries STN-L4355C	Quick Setup Guide, Warranty Card, Power Cord RS232C (In) Gender Remote Controller & Batteries STN-L4355C	Quick Setup Guide, Warranty Card, Power Cord RS232C (In) Gender Remote Controller & Batteries STN-L6585C	Quick Setup Guide, Warranty Card, Power Cord RS232C (In) Gender Remote Controller & Batteries STN-L6585C	Quick Setup Guide, Warranty Card, Power Cord RS232C (In) Gender Remote Controller & Batteries STN-L6585C
	Optional — Stand						
	Optional — Mount	WMN-B50SC	WMN-B50SC	WMN-B50SC	WMN-B50SC	WMN-B50SC	N/A
	Optional — Specialty	TBD	TBD	TBD	TBD	TBD	TBD

* This specification is not a finalized version, so some specifications may change at the end of June.

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, 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, visit www.samsung.com/business

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2023-06

Crystal UHD Signage

QMC series

Slim design.
Stunning performance.

Introducing the QMC series, the slimmest display in the Samsung's UHD signage offerings. This products deliver an unparalleled slim design that fits into any business, while delivering the visual quality to make a big impact. The sleek form factor is easily installed to fit any room design and delivers stunning visual performance. Dynamic Crystal Color and Quantum Processor Lite 4K delivering consistent, lifelike colors to any content. This is not just a display for simple advertising. It's a display that brings the solutions, tools, and picture quality to grow to your business, no matter what industry you're in.

Key features

Ultra Slim Depth
The unparalleled ultra-slim thickness of 28.5mm makes it the thinnest option in Samsung's UHD Signage series. It comes with the Slim Fit Wall Mount, which allows you to install it neatly and easily in any environment.

Even Bezels and Centered VESA Holes
The bezels are even on all four sides of the display for a consistent look, while the central VESA mounting holes ensure secure mounting and easy adjustability to portrait mode.

Dynamic Crystal Color
One billion shades of color let you see every subtlety with lifelike color variations. Images are clear and consistent thanks to Samsung's industry leading video processing and upscaling technology.

Smartview+
In the QMC series, SmartView+ enables wireless screen sharing for easy collaboration and quick screen switching with just a click.

Smart Calibration
Guarantee complete brand consistency across every location. Using the Samsung mobile app, calibrate displays to showcase brand logos and other collateral in the exact colors required.

Energy star / EPEAT Bronze / TÜV Rheinland Carbon Footprint
Samsung is making diverse efforts to reduce our environmental impact in smart signage, and encouraging users to pursue a more sustainable life.

Samsung Smart Signage Small Display

QB24R / QB24R-T

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 and touch-enabled QB24R-T. Designed for professional use, Samsung's QB24R and QB24R-T 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.

Optimized for professional use	All-in-one solution	Reliable and durable performance	Slim & sleek design

QB24R : Small Display

The QB24R 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 or even elevators.

QB24R-T : Touch Display

With integrated capacitive touch functionality, the QB24R-T 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-T 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.
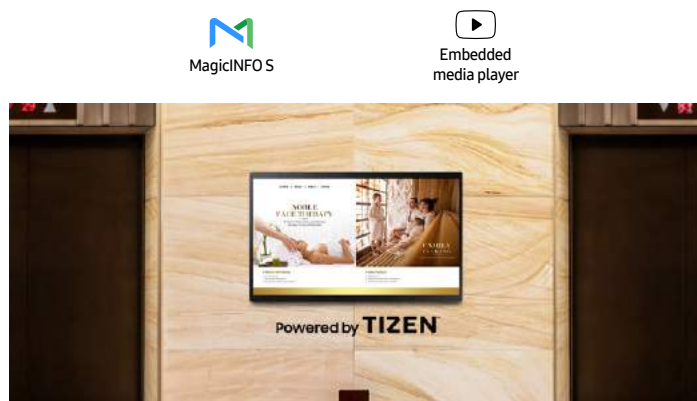
Key features

Crisp and visible content

Samsung's QB24R and QB24R-T 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-T is 34.6 mm

Powerful content playback

With an embedded MagicINFO S player, backed by TIZEN, the QB24R and QB24R-T 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.

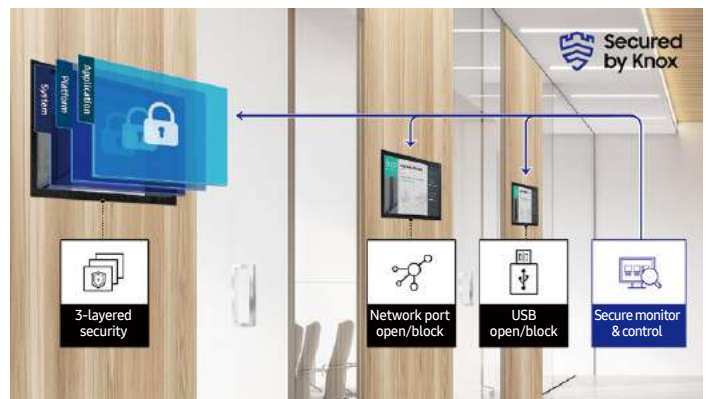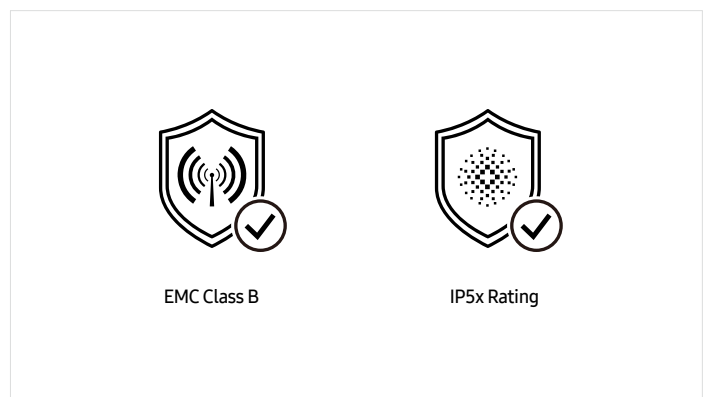### Convenient, clean display control

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.

Safe operation, reliable performance

The QB24R and QB24R-T 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	QB24R-T
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 (5W1ch), IP5x Rating, Wi-Fi/BT	Temperature Sensor, Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker (5W1ch), IP5x Rating, Wi-Fi/BT, 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

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 QB24R, QB24R-T Displays, visit www.samsung.com/business or www.samsung.com/displaysolutions

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