

Samsung SMART Signage

QMR-T series

Increase customer engagement with intuitive touch displays

Samsung's industry-leading interactive technology has revolutionized touch displays, making them more useful and easier to navigate. Samsung's new QMR-T series is an all-in-one solution providing a combination of powerful features based on easy-to-use touch technology. A comprehensive interactive display solution for variety of business environments, QMR-T series creates entirely new ways to engage and create a differentiated customer experience.

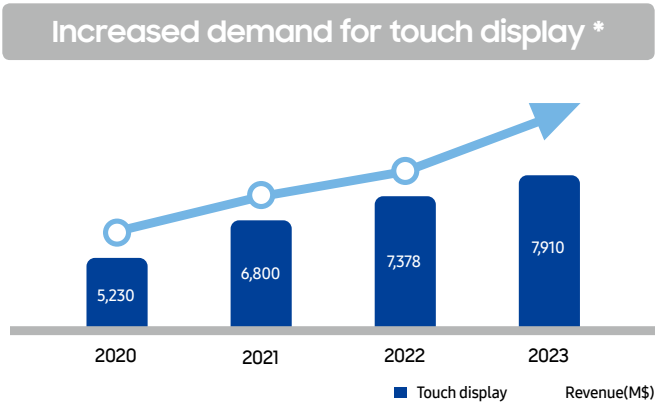
Highlights

- Improve business environment with powerful embedded all-in-one touch solution based on Tizen
- Experience real-time interaction and fast touch performance
- Engage customers with eye-catching UHD picture quality
- Deliver clear visibility from all angles
- Provide higher durability with enhanced dust resistance
- Centered IR grants users more convenient and flexible control
- Manage content and device easily with integrated MagicINFO solution

SAMSUNG

Touch display use expands as businesses seek alternatives

As global demand for innovative, customer-oriented solutions continues to grow, businesses have found digital signage provides many benefits including more efficient operations, freeing up employee time and providing long-term financial value. Touch displays can provide valuable functionality for quick-service restaurants, retail, government and entertainment locations where face-to-face interactions can easily be upgraded with digital displays for improved efficiency and better customer service. Businesses can deliver helpful navigation tools, menus, ordering or ticket purchases without any direct contact with employees. Demand for touch displays is expected to increase significantly in the near future and Samsung's QMR-T provides an ideal solution.



* Source : Omdia, Public Displays Market Tracker Q4 2019, January 2020. Revenues in USD Millions. Does Not Include Consumer TVs Used as Public Displays. Not an Endorsement of Samsung Electronics Co. Ltd. Any Reliance on these results is at the third-party's own risk.

Improve customer engagement with just touch

Samsung is a global leader in visual display technology and is constantly developing innovative, new ways for brands to interact with consumers through screens with eye-catching picture quality and intelligent features. The QMR-T series is an all-in-one touch solution that doesn't require an additional device such as a PC thanks to Tizen OS which enables powerful touch functionality providing an engaging and intuitive user experience at fast speeds. The display features crystal clear UHD resolution and a non-glare screen creating vivid, eye-catching content for customers. Monitoring and managing the content on the display couldn't be easier thanks to Samsung's powerful MagicINFO software solution. Finally, an innovative center IR simplifies installation and to ensure the display can withstand typical conditions, the QMR-T is enhanced with dust proof reliability so it can be installed in any environment and perform as expected.







All-in-one touch solution





All-in-one touch solution for any environment

Samsung's QMR-T series allows businesses to maximize use of touch display with a built-in, high performance Tizen-based media player. The all-in-one design eliminates the need for an external player and the advanced Tizen OS enables a wide variety of apps.

Powerful touch experience

The QMR-T features an upgraded Tizen OS, making content playback more stable and allowing the display to utilize a wider variety of high-speed content. An exceptionally responsive capacitive touch functionality makes for an engaging and intuitive user experience.

Enhanced picture quality





Captivate customers with UHD content *

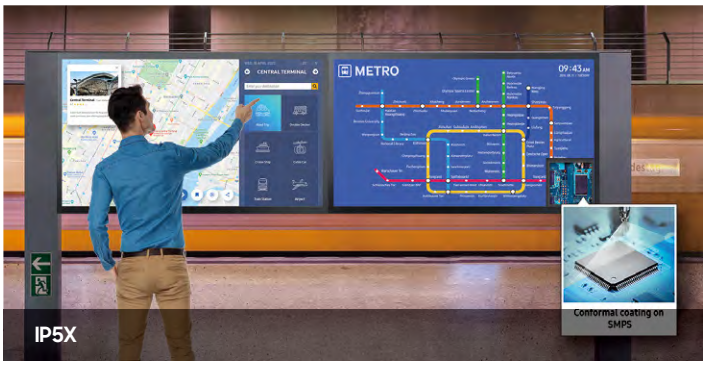
Samsung's QMR-T series provides UHD resolution capabilities to deliver incredibly clear content. This increases customer engagement by showcasing lifelike images and intricate details better than ever before with accurate visual expression that has been optimized to display exactly as intended.

* The UHD feature is only supported for 43 inches and 55 inches display.

Better visibility even in sunlight

The QMR-T series offers improved visibility through non-glare glass fitted on the display. This removes any distracting reflections that might disturb customer engagement, while the haze coating on the glass creates a smoother touch for the user's hand.

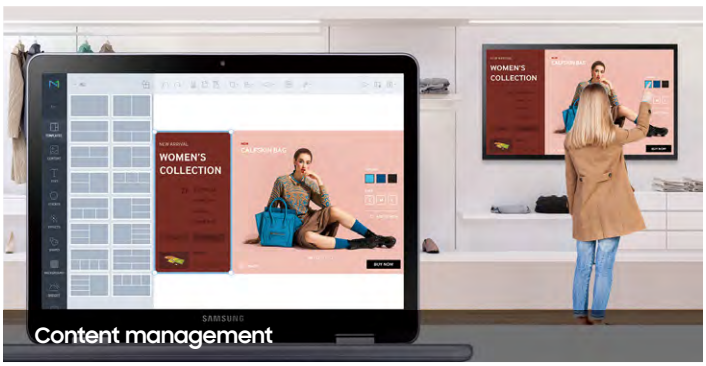
Easy management

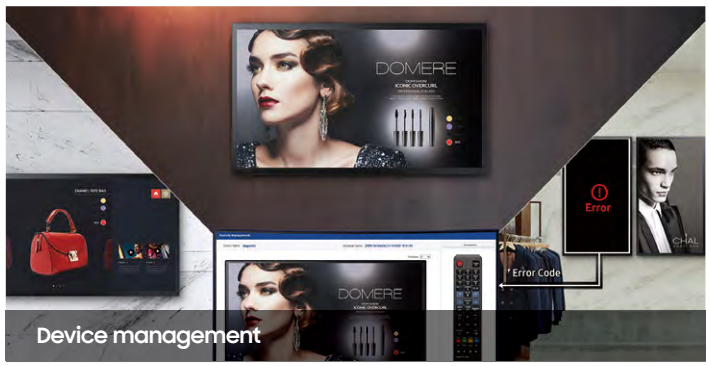




Built to be reliable and efficient

Samsung's QMR-T series has received the IP5X rating standard, ensuring efficient and reliable performance even in dusty environments to protect the display from repeated customer interactions. An innovative center IR means businesses implementing the display, won't have to make any adjustments to the IR and can use it right out of the box. In addition, a conformal coating on the display provides longevity even in public spaces, and as a result, saves on the overall cost of operation.





Integrated content and device management solution *

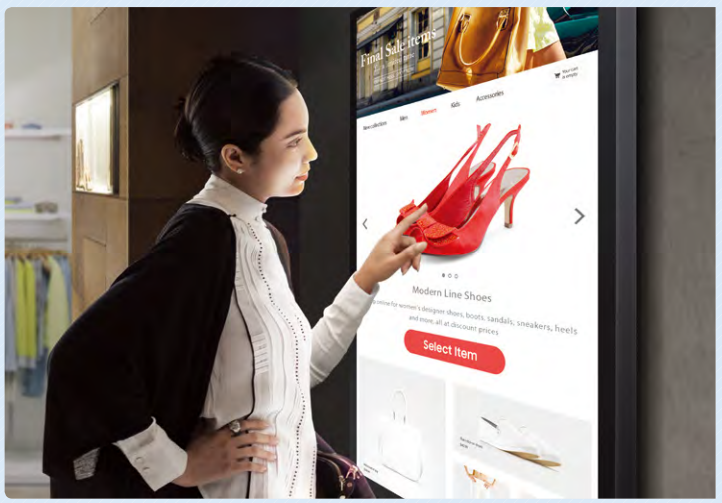
Samsung's MagicINFO solution enables simple scheduling and management for a range of on-demand images and videos and also allows users to easily create their own touch content for the display. Operating efficiency is also enhanced through an early warning alert system to ensure no downtime.

* License for MagicINFO must be purchased separately.

Built for any business environment

Samsung's QMR-T series is equipped for a wide variety of uses and its sleek design is suitable for any business environment. Impressive visuals create content that captivates customers from a quick glance or an extended interaction. The new QMR-T series provides immediate value for any business looking to create an enhanced customer experience.

Retail





Transportation



QSR



Entertainment



Government



Specification

Model			QM32R-T	QM43R-T	QM55R-T
Panel	Diagonal Size	Class	32"	43"	55"
		Measured	31.5"	42.5"	54.6"
	Type		Edge LED BLU	Edge LED BLU	Edge LED BLU
	Resolution		FHD (1920 x 1080)	UHD (3840 x 2160)	UHD (3840 x 2160)
	Pixel Pitch (mm)		0.3638 x 0.3638	0.2451 x 0.2451	0.315 x 0.315
	Active Display Area (mm)		698.4 (H) x 392.85 (V)	941.184 (H) x 529.416 (V)	1209.6 (H) x 680.4 (V)
	Brightness (Typ.)		300 (With Touch Glass), 400 (Without Touch Glass)	400 (With Touch Glass), 500 (Without Touch Glass)	400 (With Touch Glass), 500 (Without Touch Glass)
	Contrast Ratio (Typ.)		5000:1 (Without Glass)	5000:1 (Without Glass)	4000:1 (Without Glass)
	Viewing Angle (H/V)		178/178	178/178	178/178
	Response Time (G-to-G)		8ms (Typ.)	8ms (Typ.)	8ms (Typ.)
	Display Colors		16.7M	16.7M	16.7M
	Color Gamut		72%	92% (DCI-P3, CIE 1976)	92% (DCI-P3, CIE 1976)
	Operation Hour		16/7	24/7	24/7
	Haze		2% (Without Glass)	25% (Without Glass)	25% (Without Glass)
Display	Dynamic C/R		MEGA	MEGA	MEGA
	H-Scanning Frequency		30 ~ 81kHZ	30 ~ 81kHZ	30 ~ 81kHZ
	V-Scanning Frequency		48 ~ 75HZ	48 ~ 75HZ	48 ~ 75HZ
	Maximum Pixel Frequency		594MHz	594MHz	594MHz
Sound	Speaker Type		Built in Speaker (10W+10W)	Built in Speaker (10W+10W)	Built in Speaker (10W+10W)
Connectivity	INPUT	RGB	Display Port 1.2 (1)	DVI-D, Display Port 1.2 (1)	DVI-D, Display Port 1.2 (1)
		VIDEO	HDMI 2.0 (2)	HDMI 2.0 (2)	HDMI 2.0 (2)
		HDCP	HDCP 2.2	HDCP 2.2	HDCP 2.2
		AUDIO	HDMI	Stereo mini Jack, DVI, HDMI	Stereo mini Jack, DVI, HDMI
		USB	USB 2.0 x 2	USB 2.0 x 2	USB 2.0 x 2
	OUTPUT	RGB	HDMI 2.0 (Loop-out)	HDMI 2.0 (Loop-out)	HDMI 2.0 (Loop-out)
		VIDEO	N/A	N/A	N/A
		AUDIO	Stereo Mini Jack	Stereo Mini Jack	Stereo Mini Jack
		Power Out	N/A	N/A	N/A
		USB	N/A	N/A	N/A
	EXTERNAL CONTROL		RS232C (in) thru stereo jack, RJ45	RS232C (in) thru stereo jack, RJ45	RS232C (in) thru stereo jack, RJ45
	EXTERNAL SENSOR		IR	IR	IR
	Tuner		N/A	N/A	N/A
Power	Type		Internal	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
	Power Consumption	Max [W/h]	72	110	143
		Typical [W/h]	45	72	107
		Rating [W/h]	65	100	130
		BTU (Max)	245.7	375.1	487.63
		Sleep mode	0.5	0.5	0.5
		Off mode	N/A	N/A	N/A
Mechanical Spec	Dimension (mm)	Set	744.4 x 444.6 x 48.2	986.2 x 584.4 x 56.7	1253.8 x 734.6 x 56.7
		Package	872 x 565 x 133	1134 x 725 x 141	1421 x 884 x 165
	Weight (kg)	Set	8.3	14.5	26.9
		Package	11.1	18.7	32.5
	VESA Mount		200 x 200	200 x 200	200 x 200
	Protection Glass		N/A	N/A	N/A
	Stand Type		Foot Stand (Optional)	Foot Stand (Optional)	N/A
	Bezel Width (Top/Side/Bot) (mm)		24.5 (U/D), 21.5 (L/R)	26.0 (U/D), 21.0 (L/R)	26.0 (U/D), 21.0 (L/R)
Operation	Operating Temperature		0°C ~ 40°C	0°C ~ 40°C	0°C ~ 40°C
	Humidity		10 ~ 80%	10 ~ 80%	10 ~ 80%
Feature	Key		FHD Signage Display Slim & Light Signage with Built-in MagicInfo S6, SSSP 6.0, Cap touch	UHD Signage Display Slim & Light Signage with Built-in MagicInfo S6, SSSP 6.0, Cap touch	UHD Signage Display Slim & Light Signage with Built-in MagicInfo S6, SSSP 6.0, Cap touch
	Special	H/W	Temperature Sensor, Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker(10W 2ch), Video Wall Daisy Chain(HDCP2.2:4EA,HDCP1.4:7EA), IP5x Rating, Wi-Fi/BT		
		S/W	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	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
		Clock Speed	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
		Graphics	Graphic resolution : 1920x1080, Output resolution : 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)
		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 Decoder : AC3 (DD), MPEG		
		IO Ports	USB 2.0	USB 2.0	USB 2.0
		Operating System	Tizen 4.0 (VDLinux)	Tizen 4.0 (VDLinux)	Tizen 4.0 (VDLinux)
Certification	Safety		60950-1	60950-1	60950-1
	EMC		Class B	Class B	Class B
	Environment		ENERGY STAR 8.0, Epeat	ENERGY STAR 8.0, Epeat	ENERGY STAR 8.0, Epeat
	Security		802.1 x (WPA2 Enterprise) : EAP-TLS, EAP-TTLS, EAP-PEAP		
Accessories	Included		Quick Setup Guide, Warranty Card, Power Cord, Remote Controller, Batteries		
	Optional	Stand	STN-L3240E	STN-L4355F	N/A
		Mount	WMN4070SE	WMN4070SE	WMN4070SE
		Specialty	CML400XK	CML400XK	CML400XK
		Media Player	N/A	N/A	N/A

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SMART Signage

For more information about Samsung SMART Signage QMR-T series displays, visit
www.samsung.com/business or www.samsung.com/displaysolutions

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