

SAMSUNG



Samsung Smart Signage

QMR-B | QMT 4K UHD Series

Specifications

Model			QM43R-B	QM50R-B	QM55R-B	QM65R-B	QM75R-B
Panel	Diagonal Size	Class	43	50	55	65	75
		Measured	42.5	49.5	54.6	64.5	74.5
	Type		Edge LED BLU	Edge LED BLU	Edge LED BLU	Edge LED BLU	Edge LED BLU
	Resolution		UHD (3840 x 2160)	UHD (3840 x 2160)	UHD (3840 x 2160)	UHD (3840 x 2160)	UHD (3840 x 2160)
	Pixel Pitch (mm)		0.2451 x 0.2451	0.285 x 0.285	0.315 x 0.315	0.372 x 0.372	0.42975 x 0.42975
	Active Display Area		941.184 (H) x 529.416 (V)	1095.84(H) x 616.41(V)	1209.6(H) x 680.4(V)	1428.48 (H) x 803.52 (V)	1650.24 (H) x 928.26 (V)
	Brightness(Typ.)		500	500	500	500	500
	Contrast Ratio (Typ.)		4000:1	4000:1	4000:1	4000:1	4000:1
	Viewing Angle(H/V)		178/178	178/178	178/178	178/178	178/178
	Response Time (G to G)		8ms(Typ.)	8ms(Typ.)	8ms(Typ.)	8ms(Typ.)	8ms(Typ.)
	Display Colors		16.7M(True Display) 1.07B(Dithered 10bit)	16.7M(True Display) 1.07B(Dithered 10bit)	16.7M(True Display) 1.07B(Dithered 10bit)	16.7M(True Display) 1.07B(Dithered 10bit)	16.7M(True Display) 1.07B(Dithered 10bit)
	Color Gamut		92% (DCI-P3, CIE 1976)	92% (DCI-P3, CIE 1976)	92% (DCI-P3, CIE 1976)	92% (DCI-P3, CIE 1976)	92% (DCI-P3, CIE 1976)
	Operation Hour		24/7	24/7	24/7	24/7	24/7
	Haze		44%	25%	25%	25%	44%
Display	Dynamic C/R		MEGA	MEGA	MEGA	MEGA	MEGA
	H-Scanning Frequency		30 ~ 81kHz	30 ~ 81kHz	30 ~ 81kHz	30 ~ 81kHz	30 ~ 81kHz
	V-Scanning Frequency		48 ~ 75Hz	48 ~ 75Hz	48 ~ 75Hz	48 ~ 75Hz	48 ~ 75Hz
	Maximum Pixel Frequency		594MHz	594MHz	594MHz	594MHz	594MHz
Sound	Speaker Type		Built in Speaker(10W + 10W)	Built in Speaker(10W + 10W)	Built in Speaker(10W + 10W)	Built in Speaker(10W + 10W)	Built in Speaker(10W + 10W)
Connectivity	INPUT	RGB	Display Port1.2 (1)	Display Port1.2 (1)	Display Port1.2 (1)	Display Port1.2 (1)	Display Port1.2 (1)
		VIDEO	HDMI 2.0 (2)	HDMI 2.0 (2)	HDMI 2.0 (2)	HDMI 2.0 (2)	HDMI 2.0 (2)
		HDCP	HDCP2.2	HDCP2.2	HDCP2.2	HDCP2.2	HDCP2.2
		AUDIO	Stereo mini Jack, DVI, HDMI/Audio(Common)	Stereo mini Jack, DVI, HDMI/Audio(Common)	Stereo mini Jack, DVI, HDMI/Audio(Common)	Stereo mini Jack, DVI, HDMI/Audio(Common)	Stereo mini Jack, DVI, HDMI/Audio(Common)
		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
		Power	N/A	N/A	N/A	N/A	N/A
	OUTPUT	RGB	N/A	N/A	N/A	N/A	N/A
		VIDEO	N/A	N/A	N/A	N/A	N/A
		AUDIO	Stereo Mini Jack	Stereo mini Jack	Stereo Mini Jack	Stereo Mini Jack	Stereo Mini Jack
		PowerOut	N/A	N/A	N/A	N/A	N/A
		USB	N/A	N/A	N/A	N/A	N/A
	EXTERNAL CONTROL		RS232C(in/out) thru stereo jack, RJ45	RS232C(in/out) thru stereo jack, RJ45	RS232C(in/out) thru stereo jack, RJ45	RS232C(in/out) thru stereo jack, RJ45	RS232C(in/out) thru stereo jack, RJ45
	EXTERNAL SENSOR		IR	IR	IR	IR	IR
	Tuner		N/A	N/A	N/A	N/A	N/A
Power	Type		Internal	Internal	Internal	Internal	Internal
	Power Supply		AC100 - 240 V, 50/60 Hz	AC100 - 240 V, 50/60 Hz	AC100 - 240 V, 50/60 Hz	AC100 - 240 V, 50/60 Hz	AC100 - 240 V, 50/60 Hz
	Power Consumption	Max[W/h]	110	170.5	143	181.5	231
		Typical[W/h]	74	117	108	131	178
		Rating[W/h]	100	155	130	165	210
		BTU(Max)	375.1	581.4	487.6	618.9	787.7
		Sleep mode	0.5	0.5	0.5	0.5	0.5
		Off mode	N/A	N/A	N/A	N/A	N/A
Mechanical Spec	Dimension(mm)	Set	967.5 x 557.7 x 48.3	1121.4 x 643.9 x 46.3	1235.1 x 707.9 x 46.3	1453.9 x 831.0 x 46.3	1681.1 x 960.1 x 49.7
		Package	1095 x 676 x 151	1269 x 784 x 152	1402 x 858 x 163	1611 x 973 x 185	1871 x 1127 x 223
	Weight (kg)	Set	10	13.4	18.1	24.9	38.3
		Package	13.3	17.6	23.6	33.3	49
	VESA Mount		200 x 200	200 x 200	200 x 200	400 x 400	400 x 400
	Protection Glass		N/A	N/A	N/A	N/A	N/A
	Stand Type		Foot Stand (Optional)	Foot Stand (Optional)	Foot Stand (Optional)	No	No
	Bezel Width (Top/Side/Bot) (mm)		9.2mm(U/L/R), 11.2mm(B)	9.2mm(U/L/R), 11.2mm(B)	9.2mm(U/L/R), 11.2mm(B)	9.2mm(U/L/R), 11.2mm(B)	11.5mm(U/L/R), 12.5mm(B)
Operation	Operating Temperature		0°C~ 40°C	0°C~ 40°C	0°C~ 40°C	0°C~ 40°C	0°C~ 40°C
	Humidity		10~80%	10~80%	10~80%	10~80%	10~80%
Feature	Key		UHD Signage Display Slim & Light Signage with Built-in MagicInfo S6, SSSP 6.0	UHD Signage Display Slim & Light Signage with Built-in MagicInfo S6, SSSP 6.0	UHD Signage Display Slim & Light Signage with Built-in MagicInfo S6, SSSP 6.0	UHD Signage Display Slim & Light Signage with Built-in MagicInfo S6, SSSP 6.0	UHD 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(10W 2ch), Video Wall Daisy Chain(HDCP2.2:4EA,HDCP1.4:7EA), IP5x Rating, Wi-Fi	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	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	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	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
		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)	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)
	Internal Player (Embedded H/W)	Processor	Coretex A72 1.7GHz Quad-Core CPU	Cortex A72 1.7GHz Quad-Core CPU	Coretex A72 1.7GHz Quad-Core CPU	Coretex A72 1.7GHz Quad-Core CPU	Coretex 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	L1 Instruction Cache : 48KB L1 Data Cache : 32KB L2 Cache : 2MB
		Clock Speed	1.7GHz	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	2.5GB LPDDR4 1.5GHz 64bit
		Graphics	Graphic resolution : 1920x1080 Output resolution : 3840x2160 (Scale up from graphic processing result.)	Graphic resolution : 1920x1080 Output resolution : 3840x2160 (Scale up from graphic processing result.)	Graphic resolution : 1920x1080 Output resolution : 3840x2160 (Scale up from graphic processing result.)	Graphic resolution : 1920x1080 Output resolution : 3840x2160 (Scale up from graphic processing result.)	Graphic resolution : 1920x1080 Output resolution : 3840x2160 (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)	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	*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	*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	*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	*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	USB 2.0	USB 2.0
		Operating System	Tizen 4.0 (VDLinux)	Tizen 4.0 (VDLinux)	Tizen 4.0 (VDLinux)	Tizen 4.0 (VDLinux)	Tizen 4.0 (VDLinux)
Certification	Safety		60950-1	60950-1	60950-1	60950-1	60950-1
	EMC		Class B	Class B	Class B	Class B	Class B
	Environment		ENERGY STAR 8.0, Epeat 802.1x(WPA2 Enterprise)	ENERGY STAR 8.0, Epeat 802.1x(WPA2 Enterprise)	ENERGY STAR 8.0, Epeat 802.1x(WPA2 Enterprise)	ENERGY STAR 8.0, Epeat 802.1x(WPA2 Enterprise)	ENERGY STAR 8.0, Epeat 802.1x(WPA2 Enterprise)
	Security		: EAP-TLS, EAP-TTLS, EAP-PEAP Quick Setup Guide, Warranty Card, Power Cord, Remote Controller, Batteries	: EAP-TLS, EAP-TTLS, EAP-PEAP Quick Setup Guide, Warranty Card, Power Cord, Remote Controller, Batteries	: EAP-TLS, EAP-TTLS, EAP-PEAP Quick Setup Guide, Warranty Card, Power Cord, Remote Controller, Batteries	: EAP-TLS, EAP-TTLS, EAP-PEAP Quick Setup Guide, Warranty Card, Power Cord, Remote Controller, Batteries	: EAP-TLS, EAP-TTLS, EAP-PEAP Quick Setup Guide, Warranty Card, Power Cord, Remote Controller, Batteries
Accessories	Included	Stand	STN-L4355F	STN-L4355F	STN-L4355F	No	No
		Mount	WMN40705E (Land Only)	WMN40705E (Land Only)	WMN40705E (Land Only)	WMN42775E (Land Only)	WMN65755E (Land Only)
	Optional	Specialty	CML400XX	CML400XX	CML400XX	CLM450K	CLM450K
		Media Player	N/A	N/A	N/A	N/A	N/A