

# Samsung Smart Signage QMR-A series

Display any content in ultra-high definition with incredibly rich color on slim, efficient signage

Through intelligent UHD upscaling technology, Samsung's QMR-A series performs edge restoration and noise reduction to deliver UHD picture quality even with lower resolution content. As an added benefit, this series also features reliable, non-glare panels that provide better visibility from all angles. Backed by Tizen 4.0, this series provides reinforced capability with multiple web formats and secured protection. Additionally, its new slim design simplifies wall mounting and ensures seamless installation.

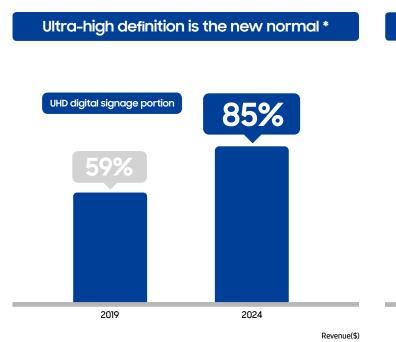
### Highlights

- Engage customers with lifelike images through ultra high-definition resolution
- Deliver UHD-level picture quality even with lower resolution content through Crystal Processor 4K supporting advanced UHD upscaling technology
- Dynamic Crystal Display allows viewers to enjoy a wider spectrum of colors, up to one billion shades
- Symmetrical, slim design simplifies installation and complements any environment
- Secure, PC-free operation through Knox and rigid three-layer protection
- Reliable, non-glare panels provide better visibility from all angles, anytime of day allowing businesses to deliver accurate information 24/7

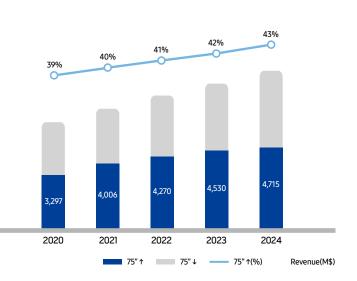
## SAMSUNG

### Industry trend

With visual display technology continually improving, viewers have developed an ever-growing expectation for better – and bigger – picture quality. Users, more than ever, want to captivate customers with truly lifelike images and gain a competitive edge over their industry peers with best-in-class displays. This is reflected in the fact that UHD resolution continues to grow in popularity, becoming an essential way for brands to impress customers amid a wider variety of stunning, aesthetical visuals and content. This trend is coupled with demand for larger screen sizes, particularly in the 75-inch and above category, enabling businesses to differentiate themselves and display content in a more impactful way than ever before.



#### Demand for bigger screens is on the rise \*\*



\*,\*\* Source : Omdia, Public Displays Market Tracker Q1 2020, July 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.

### Why Samsung's QMR-A series?

Samsung's superior visual display technology has positioned them as the industry leader in the digital signage market for a decade\* and Samsung brand having been No.1 in sales for 12 consecutive years in the display market\*\*. As an expert in picture quality in the display industry, Samsung is able to deliver best-in-class picture quality through their QMR-A series. The signage provides rich and flawless colors, sleek and durable design, powerful performance through SSSP 6 and secured protection. Samsung's QMR-A series is also able to upscale the low resolution content to UHD picture quality. For commercial displays, this technology advancement means highly visible signage with unmatched accuracy to help capture the attention of potential customers. It also means savings both in cost and time for businesses who can produce content more inexpensively at a lower resolution and still display it in stunning UHD quality.

\* Results based on Omdialformer IHS) report "Public Displays Market Tracker", 2009 – 2018. Information is not an endorsement of Samsung. Any reliance on these results is at the third party's own risk. \*\* According to market research company "Omdia". Ranking in terms of shipments. Results are not an endorsement of Samsung. Any reliance on these results is at the third-party's own risk.









### **Key features**



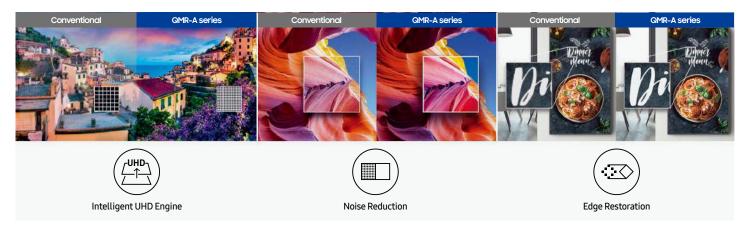
#### Incredible 4K picture quality

Samsung's new QMR-A series is able to capture customer attention by providing an incredibly clear picture, showcasing lifelike images and intricate details better than ever before thanks to ultra high-definition 4K resolution.



#### Perfect view with non-glare display

When clear visibility is essential, the QMR-A series incorporates key features including up to 500 nit brightness and reliable, non-glare panels that provide better visibility from all angles, anytime of day. The display is ideal for locations such as airports and commuter stations where 24/7 access to clear and accurate information is crucial.



#### **Crystal Processor 4K**

Samsung's global leadership in display technology and picture quality spans more than a decade. Thanks to superior semi-conductor technology, Samsung has developed the powerful video processor available. Additionally, intelligent UHD upscaling technology is a cutting-edge solution based on Samsung's proprietary UHD Processor that allows content developed at a lower resolution to be elevated to UHD-level quality. It also performs edge restoration and noise reduction to optimize on-screen text and imagery with crisp edges and fine detail.



#### Dynamic Crystal Display

Dynamic Crystal Display is what brings the incredible, lifelike color to Samsung displays. Using 10-bit processing, the displays are able to showcase a wider spectrum of colors — up to a billion different shades — capturing subtle differences for flawless color expression, critical to businesses in ensuring brand consistency across communication channels. The QMR-A series also features HDR+ functionality that converts standard definition (SDR) content to HDR quality for sharper contrast and more vivid colors.

### **Key features**



#### Slim and symmetrical design

The all-new slim and symmetrical design of the QMR-A series significantly simplifies wall mounting the display and ensures installation is a seamless process. The display's power inlet direction has been redesigned to sit flush against the wall. The new design sets guarantees a long life cycle ensuring the QMR-A series will stand the test of time.



#### Samsung Workspace secured by Knox

Samsung Workspace is a powerful new feature fortified by proprietary Knox security technology allowing users to create an enhanced virtual collaboration workspace without needing a PC in the room, or any physical connection. Simply connect a keyboard and mouse to the display and immediately get to work accessing a PC remotely or web based cloud services such as Microsoft Office 365 and VMWare Horizon.

\* Samsung Workspace feature support may vary by region and market conditions.
\* The scheduled availability of this feature varies by model.



#### Wi-Fi and Bluetooth built-in

The QMR-A series features a nearly endless range of business use cases thanks to built-in Wi-Fi and Bluetooth. Wireless connectivity allows for personalized and interactive services including enabling integration with beacon technology in store, while also simplifying how businesses showcase content.

\* Image is for illustrative purposes only, specific application or program may have to be developed for the depicted usage scenario.



#### **Clean cable management**

In a corporate or retail environment, the back of a display is often visible to customers. With the QMR-A series' new cable guide feature retailers can tuck messy cables away from view. This allows for a clean and more visually-appealing customer shopping experience.



#### Powerful, all-in-one solution

The Samsung Smart Signage Platform (SSSP) is an open-source, all-in-one solution embedded in Samsung Smart signage that simplifies installation and maintenance. With SSSP, there is no need for any external devices to communicate with the server or play digital media enjoying easy development, reinforced capability with multiple web formats, and secured protection.



#### Industry standard certified

QMR-A displays are EMC class B compliant, providing a safe and healthy viewing environment by meeting strict standards of electromagnetic wave emission and assuring reliable operation even near other electronic equipment. The displays are also registered by EPEAT, the global ecolabel for IT, confirming the hardware is sustainable for the full product lifecycle, from design and production to energy use and recycling.

# Specifications

	Model		QM32R-A	QM43R-A	QM50R-A
	Diagonal Size	Class	32	43	50
Panel	Diagonal Size	Measured	31.5	42.5	49.5
	Туре		Edge LED BLU	Edge LED BLU	Edge LED BLU
	Resolution		FHD (1920 x1080)	UHD (3840 x 2160)	UHD (3840 x 2160)
	Pixel Pitch (mm)		0.360(H) x0.360(V)	0.2451(H) x 0.2451(V)	0.279(H) x 0.279(V)
	Active Display Area		698.4(H) x 392.85(V)	941.184 (H) x 529.416 (V)	1073.78(H) x 604.00(V)
	Brightness(Typ.)		400	500	500
	Contrast Ratio (Typ.)		5000:1	4000:1	4000:1
	Viewing Angle(H/V)		178/178	178/178	178/178
			8ms(Typ.)	8ms(Typ.)	8ms(Typ.)
	Response Time (G to G)		16.7M(True Display)	16.7M(True Display)	16.7M(True Display)
	Display Colors Color Gamut Operation Hour Haze		1.07B(Ditherd10bit)	1.07B(Ditherd10bit)	1.07B(Ditherd10bit)
			72%	92% (DCI-P3, CIE 1976)	92% (DCI-P3, CIE 1976)
			24/7	24/7	24/7
			2%	44%	25%
	Dynamic C/R		MEGA	MEGA	MEGA
	H-Scanning Frequence	-v	30 ~ 81kHZ	30 ~ 81kHZ	30 ~ 81kHZ
Display	V-Scanning Frequency		48~75HZ	48~75HZ	48~75HZ
	Maximum Pixel Frequ		594MHz	594MHz	594MHz
- aund		Jency			
Sound	SpeakerType		Built in Speaker(10W+10W)	Built in Speaker(10W+10W)	Built in Speaker(10W +10W)
		RGB	Display Port 1.2 (1)	Display Port 1.2 (1)	Display Port 1.2 (1)
		VIDEO	HDMI 2.0 (2)	HDMI 2.0 (2)	HDMI 2.0 (2)
	INPUT	HDCP	HDCP2.2	HDCP2.2	HDCP2.2
		AUDIO	Stereo Mini Jack, HDMI/Audio(Common)	Stereo Mini Jack, HDMI/Audio(Common)	Stereo Mini Jack, HDMI/Audio(Common)
		USB	USB 2.0 x 2	USB 2.0 x 2	USB 2.0 x 2
		RGB	N/A	N/A	N/A
onnectivity		VIDEO	N/A	N/A	N/A
<i>,</i>	OUTPUT	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/out) thru stereo jack, RJ45	RS232C(in/out) thru stereo jack, RJ45	RS232C(in/out) thru stereo jack, RJ45
	EXTERNAL SENSOR		IR	IR	IR
	Tuner		N/A	N/A	N/A
	Туре		Internal	Internal	Internal
	Power Supply		AC100 - 240 V, 50/60 Hz	AC100 - 240 V, 50/60 Hz	AC100 - 240 V, 50/60 Hz
		Max[W/h]	72	110	170.5
		Typical[W/h]	44	74	117
Power		Rating[W/h]	65	100	155
	Power Consumption	BTU(Max)	245.7	375.1	581.4
		Sleep mode	0.5	0.5	0.5
		Off mode	N/A		
				N/A	N/A
	Dimension(mm)	Set	725.1 x 419.6 x 34.6	967.5 x 557.7 x 48.3	1121.4 x 643.9 x 46.3
Mechanical Spec		Package	812 x 513 x 120	1095 x 676 x 151	1269 x 784 x 152
	Weight (kg)	Set	5.7	10	13.4
		Package	8	13.3	17.6
	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)	Foot Stand (Optional)
	Bezel Width (Top/Side/Bot) (mm)		8.8mm(U/L/R/B)	9.2mm(U/L/R),11.2mm(B)	9.2mm(U/L/R), 11.2mm(B)
	Operating Temperatu	ire	0°C~ 40°C	0°C~ 40°C	0°C~ 40°C
Operation	Humidity		10~80%	10~80%	10~80%
	Кеу		FHD 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
	Orientation		Landscape / Portrait	Landscape / Portrait	Landscape / Portrait
	Special	H/W	Temperature Sensor,Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker(10W 2ch), IP5x Rating, Wi-Fi/BT	Temperature Sensor,Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker(10W 2ch), IP5x Rating, Wi-Fi/BT	Temperature Sensor,Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker(10W 2ch), IP5x Rating, Wi-Fi/BT
	opecial	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)
		Processor	Cortex A721.7GHz Quad-Core CPU	Cortex A721.7GHz Quad-Core CPU	Cortex A721.7GHz Quad-Core CPU
		On-Chip Cache	L1 Instruction Cache : 48KB	L1 Instruction Cache : 48KB	L1 Instruction Cache : 48KB
a a hura		Memory	L1 Data Cache : 32KB L2 Cache : 2MB	L1 Data Cache : 32KB L2 Cache : 2MB	L1 Data Cache : 32KB L2 Cache : 2MB
eature		Clock Speed	1.7GHz	1.7GHz	1.7GHz
		Main Memory	2.5GB	2.5GB	2.5GB
		Interface	LPDDR41.5GHz 64bit	LPDDR41.5GHz 64bit	LPDDR41.5GHz 64bit
	Internal Player (Embedded H/W)	Graphics	Graphic resolution : 1920x1080 Output resolution : 1920x1080 (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)
		Multimedia	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	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)
	Safety		60950-1	60950-1	60950-1
	EMC		Class B(TBD)	Class B	Class B
ertification	Environment		ENERGY STAR 8.0, Epeat	ENERGY STAR 8.0, Epeat	ENERGY STAR 8.0, Epeat
			802.1x(WPA2 Enterprise)	802.1x(WPA2 Enterprise)	802.1x(WPA2 Enterprise)
	Security Included		: EAP-TLS, EAP-TTLS, EAP-PEAP Quick Setup Guide, Warranty Card, Power Cord, Remote Controller, Batteries	: EAP-TLS, EAP-TLS, EAP-PEAP Quick Setup Guide, Warranty Card, Power Cord, Remote Controller, Batteries	: EAP-TLS, EAP-TLS, EAP-PEAP Quick Setup Guide, Warranty Card, Power Cord, Remote Controller, Batteries
	Stand		STN-L3240E	STN-L4355F	STN-L4355F
Accessories		Maunt	WMN4070SE (Land Only)	WMN4070SE (Land Only)	WMN4070SE (Land Only)
Accessories	Optional	Mount	WMN750ME	WMN750ME	WMN750ME
ccessories	Optional	Mount Specialty Media Player			

# Specifications

	Model		QM55R-A	QM65R-A	QM75R-A
	Diagonal Size	Class	55	65	75
	Diagonal Size	Measured	54.6	64.5	74.5
	Туре		Edge LED BLU	Edge LED BLU	Edge LED BLU
	Resolution		UHD (3840 x 2160)	UHD (3840 x 2160)	UHD (3840 x 2160)
Panel	Pixel Pitch (mm)		0.315(H) x 0.315(V)	0.372(H) x 0.372(V)	0.42975(H) x 0.42975(V)
	Active Display Area		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
	Contrast Ratio (Typ.)		4000:1	4000:1	4000:1
	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(True Display)	16.7M(True Display)	16.7M(True Display)
	Color Gamut Operation Hour		1.07B(Ditherd10bit) 92% (DCI-P3, CIE1976)	1.07B(Ditherd10bit) 92% (DCI-P3, CIE 1976)	1.07B(Ditherd10bit) 92% (DCI-P3, CIE1976)
			24/7	24/7	24/7
			25%	25%	44%
	Haze		MEGA	Z5% MEGA	MEGA
	Dynamic C/R		30 ~ 81kHZ	MEGA 30 ~ 81kHZ	30 ~ 81kHZ
Display	H-Scanning Frequency V-Scanning Frequency Maximum Pixel Frequency		48~75HZ	48~75HZ	48~75HZ
			48~75nZ 594MHz	46 ~ /5HZ 594MHz	40 ~ / 3FIZ 594MHz
Council					
Sound	Speaker Type		Built in Speaker(10W+10W)	Built in Speaker(10W +10W)	Built in Speaker(10W +10W)
	INPUT	RGB	Display Port 1.2 (1)	Display Port 1.2 (1)	Display Port 1.2 (1)
		VIDEO	HDMI2.0 (2)	HDMI 2.0 (2)	HDMI 2.0 (2)
		HDCP	HDCP2.2	HDCP2.2	HDCP2.2
		AUDIO	Stereo Mini Jack, HDMI/Audio(Common)	Stereo Mini Jack, HDMI/Audio(Common)	Stereo Mini Jack, HDMI/Audio(Common)
		USB	USB 2.0 x 2	USB 2.0 x 2	USB 2.0 x 2
Connectivity		RGB	N/A	N/A	N/A
Connectivity		VIDEO	N/A Stereo mini lank	N/A Charao mini Jaok	N/A Ctoree mini laek
	OUTPUT	AUDIO Deuver Out	Stereo mini Jack	Stereo mini Jack	Stereo mini Jack
		Power Out	N/A	N/A	N/A
	EVTER	USB	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
	EXTERNAL SENSOR		IR	IR	IR
	Tuner		N/A	N/A	N/A
	Туре		Internal	Internal	Internal
	Power Supply		AC100 - 240 V, 50/60 Hz	AC100 - 240 V, 50/60 Hz	AC100 - 240 V, 50/60 Hz
		Max[W/h]	143	181.5	231
Power		Typical[W/h]	108	131	178
	Power Consumption	Rating[W/h]	130	165	210
		BTU(Max)	487.6	618.9	787.7
		Sleep mode	0.5	0.5	0.5
		Off mode	N/A	N/A	N/A
	Dimension(mm)	Set	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	1402 x 858 x 163	1611 x 973 x 185	1871 x 1127 x 223
	Weight (kg)	Set	18.1	24.9	38.3
Mechanical Spec		Package	23.6	33.3	49
Spec	VESA Mount		200 X 200	400 X 400	400 X 400
	Protection Glass		N/A	N/A	N/A
	Stand Type		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)	11.5mm(U/L/R),12.5mm(B)
Operation	Operating Temperatu	ure	0°C~ 40°C	0°C~40°C	0°C~ 40°C
	Humidity Key		10~80% UHD Signage Display Slim & Light Signage with	10~80% UHD Signage Display Slim & Light Signage with	10~80% UHD Signage Display Slim & Light Signage with
	Orient II		Built-in MagicInfo S6, SSSP 6.0	Built-in MagicInfo S6, SSSP 6.0	Built-in MagicInfo S6, SSSP 6.0
	Orientation				
			Landscape / Portrait	Landscape / Portrait	Landscape / Portrait
	Special	H/W	Temperature Sensor, Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker(10W 2ch), IP5x Rating, Wi-Fi/BT	Temperature Sensor,Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker(10W 2ch), IP5x Rating, Wi-Fi/BT	Temperature Sensor,Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker(10W 2ch), IP5x Rating, Wi-Fi/BT
	Special	H/W S/W	Temperature Sensor,Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker(10W 2ch),	Temperature Sensor,Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker(10W 2ch),	Temperature Sensor,Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker(10W 2ch), IP5x Rating,
	Special		Temperature Sensor, Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker(10W Zch), IPSx Rating, Wi-Fi/R Auto Source Switching & Recovery, LFD Home UI, Button Lock, Hot Key option, Plug&Play (Initial Setting) Cortex A721.7GHz Quad-Core CPU	Temperature Sensor,Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker(10W 2ch), IPSx Rating, Wi-Fi/BT Auto Source Switching & Recovery, LFD Home UJ, Button Lock, Hot key option, Plug&Play (initial Setting) Cortex A721.7GHz Quad-Core CPU	Temperature Sensor,Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker(10W 2ch), IP5x Rating, WF-F/BT Auto Source Switching & Recovery, LFD Home UI, Button Lock, Hot key option, Plug&Play (Initial Setting) Cortex A721.7GHz Quad-Core CPU
	Special	S/W	Temperature Sensor,Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker(10W2ch), IP5x Rating, Wi-FI/BT Auto Source Switching & Recovery, LFD Home UI, Button Lock, Hot key option, Plug&Play (Initial Setting) Cortex A2217GHz Quad-Core CPU L1 Instruction Cache : 48KB	Temperature Sensor,Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker(10W 2ch), IP5x Rating, Wi-F/BT Auto Source Switching & Recovery, LFD Home UI, Button Lock, Hot Key option, Plug&Play (Initial Setting) Cortex A7271/GHz Quad-Core CPU L1 Instruction Cache : 48KB	Temperature Sensor,Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker(10W 2ch), IP5x Rating, Wir-F/BT Auto Source Switching & Recovery, LFD Home UI, Button Lock, Hot Key option, Plug&Play (Initial Setting) Cortex AP217GHz Quad-Core CPU L1 Instruction Cache : 48KB
Feature	Special	S/W Processor	Temperature Sensor, Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker(10W Zch), IPSx Rating, Wi-Fi/R Auto Source Switching & Recovery, LFD Home UI, Button Lock, Hot Key option, Plug&Play (Initial Setting) Cortex A721.7GHz Quad-Core CPU	Temperature Sensor,Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker(10W 2ch), IPSx Rating, Wi-Fi/BT Auto Source Switching & Recovery, LFD Home UJ, Button Lock, Hot key option, Plug&Play (initial Setting) Cortex A721.7GHz Quad-Core CPU	Temperature Sensor,Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker(10W 2ch), IP5x Rating, W-Fr/BT Auto Source Switching & Recovery, LFD Home UJ, Button Lock, Hor key option, Plug&Play (Initial Setting) Cortex A721.7GHz Quad-Core CPU
Feature	Special	S/W Processor On-Chip Cache	Temperature Sensor, Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker(10W2ch), IPSx Rating, Wi-Fi/R Auto Source Switching & Recovery, LFD Home UI, Button Lock, Hot key option, Plug&Play (Initial Setting) Cortex A721,7GHz Quad-Core CPU L1 Instruction Cache: 48KB LI Data Cache: 32KB	Temperature Sensor, Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker(10W 2ch), IPSx Rating, Wi-Fi/BT Auto Source Switching & Recovery, LFD Home UI, Button Lock, Hot key option, Plug&Play (Initial Setting) Cortex A7217/GH2 Quad-Core CPU L1 Instruction Cache : 48KB L1 Data Cache : 32KB	Temperature Sensor, Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker(10W 2ch), IP5x Rating, WF-f/BT Auto Source Switching & Recovery, LFD Home UI, Button Lock, Hot key option, Plug&Play (Initial Setting) Cortex A721.7GH2 Quad-Core CPU L1 Instruction Cache : 48KB L1 Data Cache : 32KB
Feature	Special	S/W Processor On-Chip Cache Memory Clock Speed Main Memory	Temperature Sensor,Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker(10W2ch), IP5x Rating, Wi-FI/BT Auto Source Switching & Recovery, LFD Home UI, Button Lock, Hot key option, Plug&Play (Initial Setting) Cortex A2217GHz Quad-Core CPU L1 Instruction Cache : 48KB L1 Data Cache : 23KB L2 Cache : 23KB 17GHz 2.5GB	Temperature Sensor,Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker(10W2ch), IP5x Rating, Wi-F/BT Auto Source Switching & Recovery, LFD Home UI, Button Lock, Hot Key option, Plug&Play (Initial Setting) Cortex A7217GHz Quad-Core CPU L1 Instruction Cache : 48KB L1 Data Cache : 32KB L2 Cache : 27KB 17GHz 2.5GB	Temperature Sensor,Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker(10W 2ch), IP5x Rating, Wi-F/BT Auto Source Switching & Recovery, LFD Home UI, Button Lock, Hot Key option, Plug&Play (Initial Setting) Cortex A7217GHz Quad-Core CPU L1 Instruction Cache : 48KB L1 Data Cache : 32KB L2 Cache : 27KB 17GHz 2.5GB
Feature	Special	S/W Processor On-Chip Cache Memory Clock Speed	Temperature Sensor, Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker(10W2ch), IPSx Rating, Wi-Fi/R Auto Source Switching & Recovery, LFD Home UI, Button Lock, Hot key option, Plug&Play (Initial Setting) Cortex A721.7GHz Quad-Core CPU L1 Instruction Cache: 48KB L1 Data Cache: 32KB L2 Cache: 2MB 1.7GHz 2.5GB LPDDR415GHz 64bit	Temperature Sensor,Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker(10W 2ch), IPSx Rating, Wi-Fy/BT Auto Source Switching & Recovery, LFD Home UI, Button Lock, Hot key option, Plug&Play (Initial Setting) Cortex A721.7GHz Quad-Core CPU L1 Instruction Cache: 48KB L1 Data Cache: 32KB L2 Cache: 2MB 17GHz 2.5GB LPDDR415GHz 64bit	Temperature Sensor,Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker(10W 2ch), IP5x Rating, WF-f/BT Auto Source Switching & Recovery, LFD Home UI, Button Lock, Hot key option, Plug&Play (Initial Setting) Cortex A721.7GHz Quad-Core CPU L1 Instruction Cache: 48KB L1 Data Cache: 32KB L2 Cache: 2MB 17GHz 2.5GB LPDDR41.5GHz 64bit
Feature	Special Internal Player (Embedded H/W)	S/W Processor On-Chip Cache Memory Clock Speed Main Memory	Temperature Sensor, Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker(10W2ch), IPSx Rating, Wi-Fi/BT Auto Source Switching & Recovery, LFD Home UI, Button Lock, Hot Key option, Plug&Play (Initial Setting) Cortex A721.7GHz Quad-Core CPU L1 Instruction Cache: -48KB L1D tata Cache: -32KB L2 Cache: -2MB 1.7GHz 2.5GB LPDDR4.15GHz 64bit Graphic resolution : 3P20x1080 Output resolution : 3P20x1080 (Scale up from graphic processing result.)	Temperature Sensor,Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker(10W2ch), IPSx Rating, Wi-Fy/BT Auto Source Switching & Recovery, LFD Home UI, Button Lock, Hot Key option, Plug&Play (Initial Setting) Cortex A721.7GHz Quad-Core CPU LI Instruction Cache: 48KB LI Data Cache: 32KB L2 C	Temperature Sensor,Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker(10W 2ch), IP5x Rating, WF-I/BT Auto Source Switching & Recovery, LFD Home UI, Button Lock, Hot key option, Plug&Play (Initial Setting) Cortex A721.7GHz Quad-Core CPU L1 Instruction Cache: 48KB L1 Data Cache: 32KB L2 C
Feature	Internal Player	S/W Processor On-Chip Cache Memory Clock Speed Main Memory Interface	Temperature Sensor, Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker(10W2ch), (PSx Rating, Wi-Fr/R Auto Source Switching & Recovery, LFD Home UI, Button Lock, Hot key option, Plug&Play (Initial Setting) Cortex A7217GHz Quad-Core CPU L1 Instruction Cache: 48KB L1D tata Cache: 32KB L2 Cache: 2MB 1.7GHz 2.5GB LPDDR41.5GHz 64bit Graphic resolution : 1920x1080 Output resolution : 3840x2160 (Scale up from graphic processing result.) 8GB (3.88GB Occupied by O/S, 412GB Available)	Temperature Sensor,Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker(10W 2ch), IPSx Rating, Wi-F/IBT Auto Source Switching & Recovery, LED Home UI, Button Lock, Hot key option, Plug&Play (Initial Setting) Cortex A721.7CH2 Quad-Core CPU L1 Instruction Cache : 48KB L1 Data Cache : 32KB L2 Cache : 2WB 1.7GHz 2.5GB LPDDR41.5GHz 64bit Graphic resolution : 3940/2160 Output resolution : 3940/2160 (Scale up from graphic processing result.) 8GB (3.88GB Occupied by 0/5, 4.12GB Available)	Temperature Sensor,Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker(10W 2ch), IPSx Rating, WF/78T Auto Source Switching & Recovery, LFD Home UI, Button Lock, Hot key option, Plug&Play (Initial Setting) Cortex A721.7CH2 Quad-Core CPU L1 Instruction Cache : 48KB L1 Data Cache : 32KB L1 Data Cache : 32KB L2 Cache : 2MB 1.7GHz 2.5GB LPDDR41.5GHz 64bit Graphic resolution : 3840x2160 Output resolution : 3840x2160 (Scale up from graphic processing result.) 8GB (3.88GB Occupied by 0/5, 4.12GB Available)
Feature	Internal Player	S/W Processor On-Chip Cache Memory Clock Speed Main Memory Interface Graphics Storage (FDM) Multimedia	Temperature Sensor, Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker(10W2ch), (PSx Rating, Wi-Fi/R Auto Source Switching & Recovery, LED Home UI, Button Lock, Hot key option, Plug&Play (Initial Setting) Cortex A721.7GHz Quad-Core CPU L1 Instruction Cache: 48KB L1D tata Cache: 32KB L2 Cache: 24KB L2	Temperature Sensor,Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker(10W 2ch), IPSx Rating, Wi-F/IBT Auto Source Switching & Recovery, LED Home UI, Button Lock, Hot key option, Plug&Play(Initial Setting) Cortex A721.7GH2 Quad-Core CPU L1 Instruction Cache: e3KB L1 Data Cache: 32KB L2 C	Temperature Sensor,Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker(10W 2ch), IPSx Rating, WF-I/BT Auto Source Switching & Recovery, LFD Home UI, Button Lock, Hot key option, Plug&Play (Initial Setting) Cortex A7217.0FL Quad-Core CPU L1 Instruction Cache: 32KB L1 Data Cache: 32KB L2 Cache: 2WB 1.7GHz 2.5GB LPDDR41.5GHz 64bit Graphic resolution : 3920x/180 Output resolution : 3840x/2160 (Scale up from graphic processing result.) 8GB (3.88GB Occupied by 0/5, 4.12GB Available) *Video Decoder : MPEG-1/2/4, H.263, H.264/AVC, UHD H.264/AVC, VC-1, AVS+, HEV, JPEG, PMG, VPR, VPP *Audio Decoder : AC3 (DD), MPEG
Feature	Internal Player	S/W Processor On-Chip Cache Memory Clock Speed Main Memory Interface Graphics Storage (FDM) Multimedia IO Ports	Temperature Sensor, Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker(10W Zch), (PSx Rating, Wi-Fr/BT Auto Source Switching & Recovery, LFD Home UI, Button Lock, Hot key option, Plug&Play (Initial Setting) Cortex A721.7GHz Quad-Core CPU L1 Instruction Cache: 48KB L1D tata Cache: 52KB L2 Cache: 2MB 1.7GHz 2.5G8 LPDDR41.5GHz 64bit Graphic resolution: 13240x2160 Output resolution: 13240x2160 (Sa8CB Occupied by O/S, 412GB Available) *Video Decoder: MPEG-172/4, H263, H264/AVC, VC-1, AVS+, HEVC, JPEG, PNG, VP8, VP9 *Audio Decoder: AC3 (DD), MPEG USB 2.0	Temperature Sensor,Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker(10W 2ch), IPSx Rating, Wi-F/JBT Auto Source Switching & Recovery, LED Home UI, Button Lock, Hot key option, Plug&Play (Initial Setting) Cortex A721.7GHz Quad-Core CPU L1 Instruction Cache: 48KB L1D Data Cache: 32KB L2 Cache: 2MB 25GB L2DDDR41.5GHz 64bit Graphic resolution : 3940-22160 Output resolution : 3940-22160 (Sa8GB Occupied by O/S, 412GB Available) *Video Decoder : MPEG-1/2/4, H263, H264/AVC, VC-1, AVS+, HEVC, JPEG, PNG, VPB, VP9 *Audio Decoder : AG3 (DD), MPEG USB 2.0	Temperature Sensor, Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker(10W 2ch), IP5x Rating, WF-I/BT Auto Source Switching & Recovery, LED Home UI, Button Lock, Hot key option, Plug&Play (Initial Setting) Cortex A721.7GHz Quad-Core CPU L1 Instruction Cache: 48KB L1 Data Cache: 32KB L2 Cache: 2MB 2.25GB LPDDR41.5GHz 64bit Graphic resolution: 3840x2160 Output resolution: 3840x2160 (Scale up from graphic processing result.) 8GB (3.8BGB Occupied by O/S, 412GB Available) *Video Decoder: MPEG6-17/24, H.263, H.264/AVC, WC HID H.264/AVC, VC-1, AVS+, HEVC, JPEG, PNG, VP8, VP9 *Audio Decoder: AC3 (DD), MPEG
Feature	Internal Player (Embedded H/W)	S/W Processor On-Chip Cache Memory Clock Speed Main Memory Interface Graphics Storage (FDM) Multimedia	Temperature Sensor, Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker(10W2ch), (IPSx Rating, Wi-Fi/RT Auto Source Switching & Recovery, LFD Home UI, Button Lock, Hot Key option, Plug&Play (Initial Setting) Cortex A721.7GHz Quad-Core CPU L1 Instruction Cache: 43KB L1D tata Cache: 32KB L2 Cache: 2MB 1.7GHz 2.5GB LPDDR41.5GHz 64bit Graphic resolution: 1340x2160 (ISa8CB Occupied by O/S, 412GB Available) *Video Decoder: APEG-1/2/4, H.263, H.264AVC, UHD H.264/AVC, VC-1, AV5+, HEVC, JPEG, PNG, VP8, VP9 *Audio Decoder: AC3 (DD), MPEG USB 2.0 Tizen 4.0 (VDLinux)	Temperature Sensor,Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker(10W2ch), IPSx Rating, Wi-FVB Auto Source Switching & Recovery, LED Home UI, Button Lock, Hot Key option, Plug&Play (Initial Setting) Cortex A721.7GHz Quad-Core CPU LI Instruction Cache: 48KB LI Data Cache: 32KB L2 Cache: 2MB 17/GHz 2.5GB LPDDR41.5GHz 64bit Graphic resolution : 3940x2160 Output resolution : 3940x2160 (Sa8GB Occupied by O/S, 412GB Available) *Video Decoder : MPEG-1/2/4, H.263, H.264,/AVC, VC-1, AVS+, HEVC, JPEG, PNG, VPB, VP9 *Audio Decoder : AG3 (DD), MPEG USB 2.0 Tizen 4.0 (VDLinux)	Temperature Sensor, Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker(10W 2ch), IP5x Rating, WF-I/BT Auto Source Switching & Recovery, LED Home UI, Button Lock, Hot Key option, Plug&Play (Initial Setting) Cortex A721.7GHz Quad-Core CPU L1 Instruction Cache: 48KB L1 Data Cache: 32KB L2 Cache: 2MB L2 Cache: 2MB T7GHz SetGB LPDDR41.5GHz 64bit Graphic resolution : 3940x2160 Output resolution : 3840x2160 (Scale up from graphic processing result.) 86B (3.88GB Occupied by O/S, 41.2GB Available) *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 USB 2.0 Tizen 4.0 (VDLinux)
Feature	Internal Player (Embedded H/W) Safety	S/W Processor On-Chip Cache Memory Clock Speed Main Memory Interface Graphics Storage (FDM) Multimedia IO Ports	Temperature Sensor, Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker(10W2ch), IPSx Rating, Wi-Fy/T Auto Source Switching & Recovery, LFD Home UI, Button Lock, Hor Key option, Plug&Play (Initial Setting) Cortex A721.7GHz Quad-Core CPU L1 Instruction Cache: 43KB L1 Data Cache: 32KB L2 Cache: 2MB 1.7GHz 2.5GB LPDDR41.5GHz 64bit Graphic resolution: 3840x2160 Output resolution: 3840x2160 (Scale up from graphic processing result.) 8GB (3.88GB Occupied by O/S, 412GB Available) *Video Decoder: MPEG-1/2/4, H.263, H.264AVC, UHD H.264/AVC, VC-1, AVS+, HEVC, JPEG, PNG, VPB, VPP *Audio Decoder: AC3 (DD), MPEG USB 2.0 Tizen 4.0 (VDLinux) 60950-1	Temperature Sensor,Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker(10W 2ch), IPSx Rating, Wi-FVRT Auto Source Switching & Recovery, LED Home UI, Button Lock, Hor Key option, Plug&Play (Initial Setting) Cortex A721.7GHz Quad-Core CPU LI Instruction Cache: 48KB LI Data Cache: 32KB LI Data Cache: 32KB L2 Cache: 32KB	Temperature Sensor,Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker(10W 2ch), IP5x Rating, Wi-Fr/BT Auto Source Switching & Recovery, LED Home UI, Button Lock, Hor key option, Plug&Play (Initial Setting) Cortex A721.7GHz Quad-Core CPU LI Instruction Cache: 48KB LI Data Cache: 32KB LI Data Cache: 32KB LI Data Cache: 32KB LPDDR 1.5GHz 64bit Graphic resolution: 13P40x1080 Output resolution: 3840x2160 (Scale up from graphic processing result.) 8GB (3.88GB Occupied by O/S, 412GB Available) *Video Decoder : MPEG-1/2/A, LA263, HA264/AVC, VC-1, AVS+, HEVC, JPEG, PNG, VP8, VP9 *Audio Decoder : AGS (DD), MPEG USB 2.0 Tizen 4.0 (VDLinux)
Feature	Internal Player (Embedded H/W) Safety EMC	S/W Processor On-Chip Cache Memory Clock Speed Main Memory Interface Graphics Storage (FDM) Multimedia IO Ports	Temperature Sensor, Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker(10W2ch), IPSx Rating, Wi-Fi/RT Auto Source Switching & Recovery, LFD Home UI, Button Lock, Hot Key option, Plug&Play (Initial Setting) Cortex A721.7GHz Quad-Core CPU L1 Instruction Cache: -48KB L1D tate Cache: -28KB L2 Cache: -2MB 1.7GHz 2.5GB LPDDR41.5GHz 64bit Graphic resolution: -1920x1080 Output resolution: -1920x1080 Output resolution: -1920x1080 (Scale up from graphic processing result.) 8GB (3.88GB Occupied by O/S, 41.2EG Available) *Video Decoder: MPEG-17.2/4, H.263, H.264/AVC, VC-1, AVS+, HEVC, JPEG, PNG, VP8, VP9 *Audio Decoder: AGS (DD), MPEG USB2.0 Tizen 4.0 (VDLinux) 60950-1 Class B	Temperature Sensor,Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker(10W2ch), IPSx Rating, Wi-FVRT Auto Source Switching & Recovery, LFD Home UI, Button Lock, Hot Key option, Flug&Play (Initial Setting) Cortex A721.7GHz Quad-Core CPU L1 Instruction Cache: 48KB L1D Date Cache: 32KB L1D Date Cache: 32KB L12 Cache: 32KB L2 Cache: 32	Temperature Sensor,Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker(10W 2ch), IP5x Rating, Wi-Fr/BT Auto Source Switching & Recovery, LED Home UJ, Button Lock, Hor key option, Plug&Play (Initial Setting) Cortex A721.7GHz Quad-Core CPU LI Instruction Cache: 48KB LI Data Cache: 32KB LI Data Cache: 32KB LI Cache: 22KB LI Data Cache: 32KB LI Data Cache: 32KB LI Data Cache: 32KB Setting) Cortex 4721.7GHz Setting) Setting (SaBGB Occupied by O/S, 412GB Available) *Video Decoder: MPEG-1/2/4, IZGS HA/AVC, UHD H.264/AVC, VC-1, AVS+, HEVC, JPEG, PNG, VP8, VP9 *Audio Decoder: AGS (DD), MPEG USB 2.0 Tizen 4.0 (VDLinux) 60950-1 Class B
	Internal Player (Embedded H/W) Safety EMC Environment	S/W Processor On-Chip Cache Memory Clock Speed Main Memory Interface Graphics Storage (FDM) Multimedia IO Ports	Temperature Sensor, Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker(10W2ch), IPSx Rating, Wi-Fi/RT Auto Source Switching & Recovery, LFD Home UI, Button Lock, Hot Key option, Plug&Play (Initial Setting) Cortex A721.7GHz Quad-Core CPU L1 Instruction Cache : 48KB L1 Data Cache : 32KB L2 Cache : 2MB 7.7GHz 2.5GB (L2 Cache : 2MB 1.7GHz 2.5GB (Gabat L5GHz 64bit Graphic resolution : 1920x1080 Output resolution : 1920x1080 Output resolution : 3840x2160 (Scale up from graphic processing result.) 8GB (3.88GB Occupied by O/S, 412GB Available) *Video Decoder : MPEG-172/H 4253, H264/AVC, UHD H264/AVC, VC-1, AVS+, HEVC, JPEG, PNG, VPB, VP9 *Audo Decoder : AC3 (DD), MPEG USB 2.0 Tizen 4.0 (VDLinux) 60950-1 Class B ENERGY STAR 8.0, Epeat	Temperature Sensor,Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker(10W2ch), IPSx Rating, Wi-FVRT Auto Source Switching & Recovery, LFD Home UI, Button Lock, Hot key option, Plug&Play (Initial Setting) Cortex A721.7GHz Quad-Core CPU L1 Instruction Cache: 48kB L12 Cache: 2MB 12Gate: 2MB 12Gate: 2MB 12Gate: 2MB 12Gate: 2MB 12Gate: 2MB 13800 Coupter tesolution: 3920x1080 Output resolution: 3920x1080 Output resolution: 3920x200 (IScale up from graphic processing result.) 8GB (3.88GB Occupied by 0/5, 412GB Available) *Video Decoder: MPEG-1/2/4, H254, H264/AVC, UHD H264/AVC, VC-1, AVS+, HEVC, JPEG, PNG, VP8, VP9 *Audio Decoder: AG3 (DD), MPEG USB 2.0 Tizen 4.0 (VDLinux) 60950-1 Class B ENERGY STAR 8.0, Epeat	Temperature Sensor,Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker(10W 2ch), IP5x Rating, Wi-F/BT Auto Source Switching & Recovery, LFD Home UJ, Button Lock, Hor key option, Plug&Play (Initial Setting) Cortex A721.7GHz Quad-Core CPU LL Instruction Cache : 48KB LL Data Cache : 32KB LL Zache : 2MB 2.5GB Clock 2.5GB Graphic resolution : 1920x1080 Output resolution : 1920x1080 Output resolution : 1920x1080 Guttor tersolution : 1920x1080 Guttor
	Internal Player (Embedded H/W) Safety EMC Environment Security	S/W Processor On-Chip Cache Memory Clock Speed Main Memory Interface Graphics Storage (FDM) Multimedia IO Ports	Temperature Sensor, Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker(10WZch), IPSx Rating, Wi-Fi/RT Auto Source Switching & Recovery, LED Home UI, Button Lock, Hot Key option, Plug&Play (Initial Setting) Cortex A721,7GHz Quad-Core CPU L1 Instruction Cache: 32KB L1 Data Cache: 32KB L2 Cache: 2MB 1.7GHz 2.5GB LEDDR41.5GHz 64bit Graphic resolution : 1920x1080 Output resolution : 3840x2160 (Scale up from graphic processing result.) 8GB (3.88GB Occupied by O/S, 412GB Available) *Video Decoder: MPEG-1/2/4, H263, H264/AVC, VC1, AVS+, H2CV, JPEC, PMC, VPB, VP9 *Audio Decoder: ACS (DD), MPEG USB2.0 Tizen 4.0 (VDLinux) 60950-1 Class B ENERGY STAR 8.0, Epeat 8021xWPA2 Enterprise) : EAP-TLS, EAP-	Temperature Sensor,Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker(10W2ch), IPSx Rating, Wi-F/IBT Auto Source Switching & Recovery, LED Home UI, Button Lock, Hot key option, Plug&Play(Initial Setting) Cortex A7217.0H2 Quad-Core CPU L1 Instruction Cache : 48KB L1 Data Cache : 32KB L2 Cache : 2MB 2.5GB LPDDR41.5GHz 64bit Graphic resolution : 1920x1080 Output resolution : 3840x2160 (Scale up from graphic processing result.) 8GB (3.88GB Occupied by O/S, 412GB Available) *Video Decoder : MPEG-1/2/4, H.263, H.263/AVC, UHD H.264/AVC, VC-1, AVS+, HEVZ, JPEG, PNG, VPB, VP9 *Audio Decoder : AC3 (DD), MPEG USB 2.0 Tizen 4.0 (VDLinux) 60950-1 Class B ENERGY STAR 8.0, Epeat 8021x(WPA2 Enterprise) : EAPTLS, EAP-TLS, CAP-TLS, CAP-TLS	Temperature Sensor, Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker(10W 2ch), IPSx Rating, WF-I/BT Auto Source Switching & Recovery, LFD Home UI, Button Lock, Hot key option, Plug&Play (Initial Setting) Cortex A7217/GH2 Quad-Core CPU L1 Instruction Cache : 48KB L1 Data Cache : 32KB L2 Cache : 2MB 2.5GB LPDDR41.5GHz 64bit Graphic resolution : 1920x1080 Output resolution : 3840x2160 (Scale up from graphic processing result.) & GB (3.88GB Occupied by O/S, 412GB Available) *Video Decoder : MPEG-1/2/4, H.263, H.263/AVC, UHD H.264/AVC, VC-1, AVS+, HEVZ, JPEG, PMG, VPB, VPP *Audio Decoder : AC3 (DD), MPEG USB 2.0 Tizen 4.0 (VDLinux) 60950-1 Class B ENERGY 5TAR 8.0, Epeat 8021x(WPA2 Enterprise) : EAP-TLS, EAP
	Internal Player (Embedded H/W) Safety EMC Environment	S/W Processor On-Chip Cache Memory Clock Speed Main Memory Interface Graphics Storage (FDM) Multimedia IO Ports Operating System	Temperature Sensor, Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker(10WZch), (PSx Rating, Wi-Fi/BT Auto Source Switching & Recovery, LED Home UI, Button Lock, Hot Key option, Plug&Play (Initial Setting) Cortex A721.7GHz Quad-Core CPU L1 Instruction Cache: 48KB L1D tata Cache: 32KB L2 Cache: 24KB L2 Cache: 24KB Cortex A721.7GHz Quad-Core CPU SGG8 L2 DDR41.5GHz 64bit Graphic resolution: 13940x2160 Output resolution: 13940x2160 (Scale up from graphic processing result.) 8GB (3.88GB Occupied by O/S, 412GB Available) *Video Decoder: MPEG-17/24, H.253, H.254/AVC, UHD H.264/AVC, VC-1, AVS+, HEVC, JPEG, PMC, VP8, VP9 *Audio Decoder: AC3 (DD), MPEG USB 2.0 Tizen 4.0 (VDLInux) 60950-1 Class B EDERCKY STAR 8.0, Epeat 8021x(WPA2 Enterprise) : EAP-TLS, EAP-TEAP.	Temperature Sensor,Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker(10W2ch), IPSx Rating, Wi-F/IBT Auto Source Switching & Recovery, LED Home UI, Button Lock, Hot key option, Plug&Play(Initial Setting) Cortex A721.7GHz Quad-Core CPU L1 Instruction Cache: a2KB L1D Data Cache: 32KB L2 Cache: 2MB 7.7GHz 2.5GB LPDDR41.5GHz 64bit Graphic resolution : 32402x160 Output resolution : 32402x160 (Scale up from graphic processing result.) 86B (3.88GB Occupied by 0/S, 412GB Available) *Video Decoder : MPEG-1/2/4, H263, H264/AVC, UHD H264/AVC, VC1, AVS+, HEVC, JPEG, PNG, VP8, VP9 *Audio Decoder: AC3 (DD), MPEG USB 2.0 Tizen 4.0 (VDLinux) 60950-1 Class B ENERGY STAR 8.0, Epeat 802.1x(WPA2 Enterprise) : EAP-TLS, EAP-TELS, EAP-PEAP Quick Setu Guide, Warranty Card, Power Cord, Remote Controller, Batteries	Temperature Sensor,Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker(10W 2ch), IP5x Rating, Wi-F/BT Auto Source Switching & Recovery, LED Home UI, Button Lock, Hot key option, Plug&Play (Initial Setting) Cortex A721.7GHz Quad-Core CPU L1 Instruction Cache: 48KB L1 Data Cache: 32KB L2 Cache : 2MB L2 C
Certification	Internal Player (Embedded H/W) Safety EMC Environment Security	S/W Processor On-Chip Cache Memory Clock Speed Main Memory Interface Graphics Storage (FDM) Muttimedia IO Ports Operating System Stand	Temperature Sensor, Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker(10W2ch), (IPSx Rating, Wi-Fi/R Auto Source Switching & Recovery, LFD Home UI, Button Lock, Hot Key option, Plug&Play (Initial Setting) Cortex A721.7GHz Quad-Core CPU L1 Instruction Cache: 48KB L1 Data Cache: 32KB L2 Cache: 2MB 1.7GHz 2.5G8 LPDDR415GHz 64bit Graphic resolution: 1920x1080 Output resolution: 1920x1080 Output resolution: 3840x21660 (IS88GB Occupied by O/S, 412GB Available) *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 : AG (IDD), MPEG USB 2.0 Tizen 4.0 (VDLinux) 60950-1 Class B ENERGY STAR 8.0, Epeat 8021X/WPA2 Enterprise) : EAP-TLS, EAP-TLS, EAP-PEAP Quick Setup Guide, Warranty Card, PowerCord, Remote Controller, Batteries STN-L4355F	Temperature Sensor, Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker(10W2ch), IPSx Rating, Wi-FVB Auto Source Switching & Recovery, LED Home UI, Button Lock, Hot key option, Plug&Play (Initial Setting) Cortex A721.7GHz Quad-Core CPU LI Instruction Cache: 48KB LI Data Cache: 32KB L2 Cache: 2MB T7CHz 2.5GB LPDDR41.5GHz 64bit Graphic resolution : 3940/22160 Output resolution : 3940/22160 (IScale up from graphic processing result.) 80B (IS.88GB Occupied by O/S, 412GB Available) *Video Decoder : MPEG-1/2/4, H.263, H.264/AVC, UHD H.264/AVC, VC-1, AVS+, HEVC, JPEG, PNG, VPB, VP9 *Audio Decoder : AG 10D), MPEG USB 2.0 Tizen 4.0 (VDLinux) 60950-1 Class B ENERGY STAR 8.0, Epeat 8021K/WPAZ Enterprise) : EAP-TLS, EAP-TILS, EAP-PEAP Quick Setup Guide, Warranty Card, Power Cord, Remote Controller, Batteries No	Temperature Sensor, Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker(10W 2ch), IP5x Rating, WF-I/BT Auto Source Switching & Recovery, LED Home UI, Button Lock, Hot key option, Plug&Play (Initial Setting) Cortex A721.7GHz Quad-Core CPU L1 Instruction Cache: 48KB L1 Data Cache: 32KB L2 Cache: 2MB L2 Cache: 2MB Cortex A721.7GHz Quad-Core CPU Cache: 22KB L2 Cache: 24KB Cache: 32KB L2 Cache: 24KB Cache: 32KB L2 Cache: 24KB Cache: 32KB L2 Cache: 24KB Cache: 25GB L2 DDR4 1.5GHz 64bit Graphic resolution: 3840x2160 Output resolution: 3840x2160 (Scale up from graphic processing result.) 86B (3.88GB Occupied by O/S, 412GB Available) *Video Decoder : MPEG-1/2/4, H.263, H.264/AVC, UHD H.264/AVC, VC-1, AVS+, HEVC, JPEG, PNG, VPB, VP9 *Audio Decoder : AC3 (DD), MPEG USB 2.0 Tizen 4.0 (VDLinux) 60950-1 Class B ENERGY 5TAR 8.0, Epeat 8021x/WPA2 Enterprise) : EAP-TLS, EAP-TILS, EAP-PEAP Quick Setup Guide, Warranty Card, Power Cord, Remote Controller, Batteries No
	Internal Player (Embedded H/W) Safety EMC Environment Security	S/W Processor On-Chip Cache Memory Clock Speed Main Memory Interface Graphics Storage (FDM) Multimedia IO Ports Operating System	Temperature Sensor, Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker(10WZch), (PSx Rating, Wi-Fi/BT Auto Source Switching & Recovery, LED Home UI, Button Lock, Hot Key option, Plug&Play (Initial Setting) Cortex A721.7GHz Quad-Core CPU L1 Instruction Cache: 48KB L1D tata Cache: 32KB L2 Cache: 24KB L2 Cache: 24KB Cortex A721.7GHz Quad-Core CPU SGG8 L2 DDR41.5GHz 64bit Graphic resolution: 13940x2160 Output resolution: 13940x2160 (Scale up from graphic processing result.) 8GB (3.88GB Occupied by O/S, 412GB Available) *Video Decoder: MPEG-17/24, H.253, H.254/AVC, UHD H.264/AVC, VC-1, AVS+, HEVC, JPEG, PMC, VP8, VP9 *Audio Decoder: AC3 (DD), MPEG USB 2.0 Tizen 4.0 (VDLInux) 60950-1 Class B EDERCKY STAR 8.0, Epeat 8021x(WPA2 Enterprise) : EAP-TLS, EAP-TEAP.	Temperature Sensor,Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker(10W2ch), IPSx Rating, Wi-F/IBT Auto Source Switching & Recovery, LED Home UI, Button Lock, Hot key option, Plug&Play(Initial Setting) Cortex A721.7GHz Quad-Core CPU L1 Instruction Cache: a2KB L1D Data Cache: 32KB L2 Cache: 2MB 7.7GHz 2.5GB LPDDR41.5GHz 64bit Graphic resolution : 32402x160 Output resolution : 32402x160 (Scale up from graphic processing result.) 86B (3.88GB Occupied by 0/S, 412GB Available) *Video Decoder : MPEG-1/2/4, H263, H264/AVC, UHD H264/AVC, VC1, AVS+, HEVC, JPEG, PNG, VP8, VP9 *Audio Decoder: AC3 (DD), MPEG USB 2.0 Tizen 4.0 (VDLinux) 60950-1 Class B ENERGY STAR 8.0, Epeat 802.1x(WPA2 Enterprise) : EAP-TLS, EAP-TELS, EAP-PEAP Quick Setu Guide, Warranty Card, Power Cord, Remote Controller, Batteries	Temperature Sensor,Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker(10W 2ch), IPSx Rating, WF-I/BT Auto Source Switching & Recovery, LFD Home UI, Button Lock, Hot key option, Plug&Play (Initial Setting) Cortex A7217GH2 Quad-Core CPU L1 Instruction Cache: a2KB L1 Data Cache: 32KB L2 Cache: 2MB Cortex A7217GH2 Quad-Core CPU L1 Instruction Cache: 32KB L2 Cache: 2MB Cortex A7217GH2 Cache: 2MB Cortex A7217GH2 Cache: 2MB Cortex A7217GH2 Cache: 2MB Cortex A7217GH2 Cache: 2MB Cortex A7217GH2 Cache: 2MB Cortex A7217GH2 Cache: 2MB Cortex A7217GH2 Cortex A72
Certification	Internal Player (Embedded H/W) Safety EMC Environment Security Included	S/W Processor On-Chip Cache Memory Clock Speed Main Memory Interface Graphics Storage (FDM) Muttimedia IO Ports Operating System Stand	Temperature Sensor, Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker(10W2ch), IPSx Rating, Wi-Fi/RT Auto Source Switching & Recovery, LFD Home UI, Button Lock, Hot Key option, Plug&Play (Initial Setting) Cortex A721.7GHz Quad-Core CPU L1 Instruction Cache : 48KB L1D tate Cache : 32KB L2 Cache : 2MB 17GHz 2.5GB IPDDR41.5GHz 64bit Graphic resolution : 1920x1080 Output resolution : 1920x1080 Output resolution : 3840x2160 (Scale up from graphic processing result.) 8GB (3.88GB Occupied by O/S, 41.2GB Available) *Video Decoder : MPEG-17.2/4, H.2G3, H.2G4/AVC, UHD H.264/AVC, VC-1, AVS+, HEVC, JPEG, PNG, VPB, VP9 *Audio Decoder : AG3 (DD), MPEG USB2.0 Tizen 4.0 (VDLinux) 60950-1 Class B ENERGY STAR 8.0, Epeat 8321XWPA2 Enterprise) : EAP-TLS, EAP-TTLS, EAP-PEAP Quick Setup Guide, Warranty Card, POwer Cord, Remote Controller, Batteries STN-L4355F WMIN4070SE (Land Only)	Temperature Sensor, Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker(10W2ch), IPSx Rating, Wi-FVRT Auto Source Switching & Recovery, LFD Home UI, Button Lock, Hot Key option, Plug&Play (Initial Setting) Cortex A721.7GHz Quad-Core CPU L1 Instruction Cache: 48KB L1 Data Cache: 32KB L1 Data Cache: 32KB L2 Cache: 22MB 17/GHz 2.5GB LPDDR4 15/GHz 64bit Graphic resolution: 1920x1080 Output resolution: 1920x1080 Output resolutionsing as40x2160 (Scale up from graphic processing result.) 8/GB 6/3.88GB Occupied by O/S, 412GB Available) *Video Decoder: MPEG-1/2/4, H.263, H.264/AVC, VC-1, AVS+, HEVC, JPEG, PNG, VP8, VP9 *Audio Decoder: AC3 (DD), MPEG USB 2.0 Tizen 4.0 (VDLinux) 6/0950-1 Class B ENERGY STAR 8.0, Epeat 8/21X(WPA2 Enterprise) : EAP-TLS, EAP-TLS, EAP-PEAP Quick Setup Guide, Warranty Card, Power Cord, Remote Controller, Batteries No	Temperature Sensor, Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker(10W 2ch), IP5x Rating, WF-I/BT Auto Source Switching & Recovery, LFD Home UI, Button Lock, Hot key option, Plug&Play (Initial Setting) Cortex A721.7GHz Quad-Core CPU L1 Instruction Cache: 48KB L1 Data Cache: 32KB L1 Data Cache: 32KB L2 Cache: 2MB 77GHz 2.5GB LPDDRA 1.5GHz 64bit Graphic resolution: 1920x1080 OUtptut resolution: 1920x1080 OUtptut resolution; 1920x1080 GSB Occupied by O/S, 412GB Available) *Video Decoder: MPEG-1/2/4, H2G3, H2AC4/AVC, UHD H.264/AVC, VC-1, AVS+, HEVC, JPEG, PNG, VP8, VP9 *Audio Decoder: AG3 (DD), MPEG USB 2.0 Tizen 4.0 (VDLinux) 60950-1 Class B ENERGY STAR 8.0, Epeat 8021xWPA2 Enterprise) : EAP-TLS, EAP-TTLS, EAP-PEAP Quick Setup Guide, Warranty Card, Power Cord, Remote Controller, Batteries No

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Samsung Electronics Co., Ltd. 416, Maetan 3-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do 443-772, Korea

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