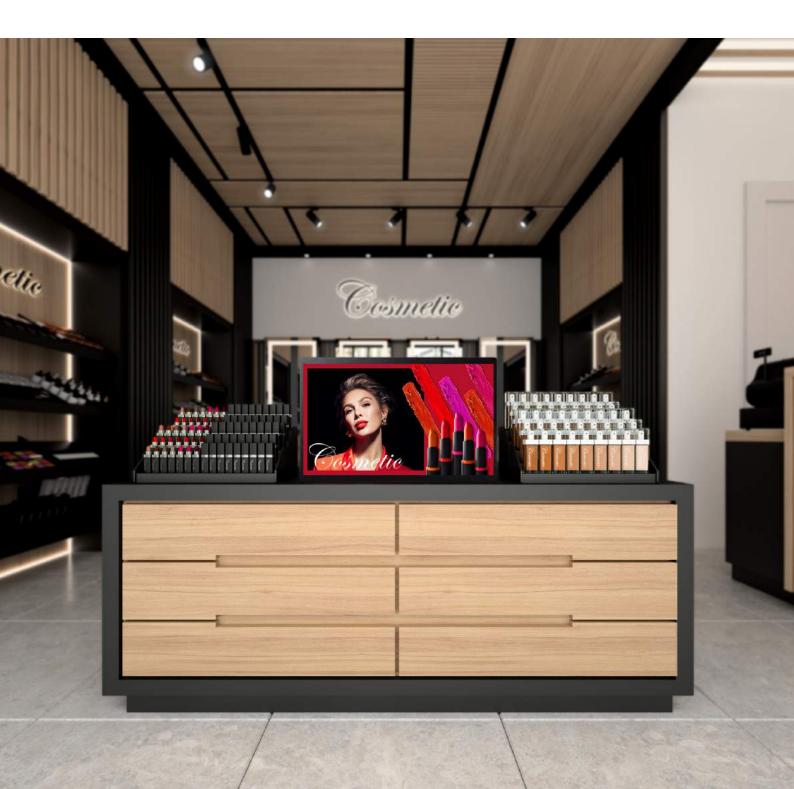
Samsung Smart Signage Small Display

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.









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.



Powerful content playback

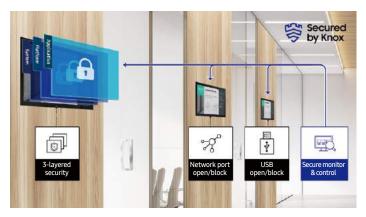
With an embedded MagicINFO S player, backed by TIZEN, the QB24R and QB24R-T allow efficient and seamless playback without any external media player. SSSP also allows easy content development through reinforced compatibility with multiple web formats.



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



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.

any unauthorized access.



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

| Class Measured a olution Pthch (mm) ve Display Area htness(Typ.) trast Ratio (Typ.) trast Ratio (Typ.) ying Angle(HV) ponse Time (G to G) play Colors or Gamut ration Hour e amic C/R canning Frequency canning Frequency aning Frequency aker Type RGB VIDEO JT HDCP AUDIO USB RGB VIDEO AUDIO USB ERNAL CONTROL Ernant SENSOR er s rer Consumption BTU(Max) Sleep mode Off mode Set Package ght (kg) | 24 23.8 ADS FHD (1920 x 1080) 0.2745 x 0.2745 52704 (H) x 296.46 (V) 250 1000:1 178/178 14ms (Typ.) 16.7 M (real 6bit, dither 8bit) 72% 16.7 M (real 6bit, dither 8bit) 72% 16.7 M (real 6bit, dither 8bit) 72% 16.7 M (real 6bit, dither 8bit) 72% 55% MEGA 56~ 84.5kHz 48~ 75HZ 594MHz Built in Speaker (5W) N/A HDM11.4 (1) HDCP2.2 N/A USB 2.0 x1 N/A N/A N/A N/A N/A N/A N/A N/A | 24 23.8 ADS FHD (1920 x 1080) 0.2745 x 0.2745 52704 (H) x 296.46 (V) 250 (w/o Glass) 1000-1 (w/o Glass) 178/178 14ms (Typ.) 16.7 M (real 6bit, dither 8bit) 72% 16.7 M (real 6bit, dither 8bit) 16/7 10% MEGA 56 - 84.5kHz 48 ~ 75HZ 594MHz Built in Speaker (SW) N/A HDM 11.4 (1) HDCP 2.2 N/A USB 2.0 x1 N/A Stereo Mini Jack Power Out - N/A / Touch Out - x1 N/A Stereo Mini Jack Power Out - N/A / Touch Out - x1 N/A RS232C (in) thru stereo jack, RJ45 N/A N/A Internal AC100 - 240 V, 50/60 Hz 38.5 28 35 131.3 0,5 |
|---|--|--|
| Measured a olution L Pitch (mm) ve Display Area htness(Typ.) trast Ratio (Typ.) ving Angle(H/V) ponse Time (G to G) silay Colors or Gamut ration Hour e amic C/R canning Frequency anning Frequency anning Frequency aker Type RGB VIDEO UT HDCP AUDIO USB ERNAL CONTROL Erer Supply Max[W/h] refers Supply Max[W/h] Reting[Wh] BTU(Max) Sleep mode Off mode set | ADS FHD (1920 x 1080) 0.2745 x 0.2745 52704 (H) x 296.46 (V) 250 1000-1 178/178 1100-1 178/178 14ms (Typ.) 16.7 M (real 6bit, dither 8bit) 72% 16.7 M (real 6bit, dither 8bit) 72% MEGA 56 - 84.5kHz 48 - 75HZ 594MHz Built in Speaker (SW) N/A HDMI.14 (1) HDCP2.2 N/A HDMI.14 (1) HDCP2.2 N/A VSB 2.0 x1 N/A VSB 2.0 x1 N/A Stereo Mini Jack N/A N/A Stereo Mini Jack N/A N/A RS232C (in) thru stereo jack, RJ45 N/A N/A N/A N/A N/A N/A N/A N/A | ADS FHD (1920 x 1080) 0.2745 x 0.2745 5.2704 (H) x 296.46 (V) 2.250 (w/o Glass) 1000-1 (w/o Glass) 178/178 14ms (Typ.) 16.7 M (real 6bit, dither 8bit) 72% 16/7 10% MEGA 56 ~ 84.5kHz 48 ~ 75HZ 594MHz Built in Speaker (SW) N/A HDM11.4 (1) HDCP.2.2 N/A USB 2.0 x1 N/A N/A Stereo Min Jack Power Out - N/A / Touch Out - x1 N/A RS232C (in) thru stereo jack, RJ45 N/A N/A Stereo Min Jack Power Out - N/A / Touch Out - x1 N/A N/A Stereo Jini Jack N/A CS222C (in) thru stereo jack, RJ45 N/A N/A Internal AC100 - 240 V, 50/60 Hz 38.5 28 35 |
| blution I Pitch (mm) ve Display Area I Pitch (mm) ve Display Area ve Display Area I Pitch (mm) Ve Disp | FHD (1920 x 1080) 0.2745 x 0.2745 52704 (H) x296.46 (V) 250 1000-1 178/178 14ms (Typ.) 16.7 M (real 6bit, dither 8bit) 72% 16/7 25% MEGA 56 - 84.5kHz 48 - 75HZ 594MHz Built in Speaker (SW) N/A HDDM1.4 (1) HDCP2.2 N/A Stereo Mini Jack N/A RS232C (in) tru stereo jack, RJ45 N/A N/A N/A Stereo Mini Jack N/A Stereo Mini Jack N/A N/A Stereo Mini Jack N/A Stereo M | FHD (1920 x 1080) 0.2745 x 0.2745 52704 (H) x 296.46 (V) 250 (W/o Glass) 1000-1 (W/o Glass) 178/178 14ms (Typ.) 16.7 M (real 6bit, dither 8bit) 72% 16/7 10% MEGA 56 ~ 84.5kHz 48 ~ 75HZ 594MHz Built in Speaker (5W) N/A HDM114 (1) HDCP.2.2 N/A HDM114 (1) HDCP.2.2 N/A KIA Stereo Mini Jack Power Out - N/A / Touch Out - x1 N/A Stereo Mini Jack Power Out - N/A / Touch Out - x1 N/A RS232C (in) thru stereo jack, RI45 N/A N/A Internal AC100 - 240 V, 50/60 Hz 38.5 28 35 131.3 |
| l Pitch (mm) ve Display Area htness(Typ.) trast Ratio (Typ.) ving Angle(H/V) ponse Time (G to G) olay Colors or Gamut ration Hour e amic C/R canning Frequency timum Pixel | 0.2745 x 0.2745 52704 (H) x 296 46 (V) 250 250 1000-1 178/178 14ms (Typ.) 16.7 M (real 6bit, dither 8bit) 72% 16.7 M (real 6bit, dither 8bit) 72% 16/7 25% MEGA 16/7 25% MEGA 56 - 84.5 kHz 594 MHz 594 MHz 8 uilt in Speaker (5W) N/A 10CP 2.2 N/A 10CP 2.2 N/A | 0.2745 x 0.2745 52704 (H) x 296.46 (V) 250 (w/o Glass) 1000:11 (w/o Glass) 1100:11 (w/o Glass) 178/178 14ms (Typ.) 16.7 // (meal óbit, dither 8bit) 72% 16/7 10% MEGA 56 - 84.5kHz 48 ~ 75HZ 594MHz Built in Speaker (5W) N/A Built in Speaker (5W) N/A Built in Speaker (5W) N/A HDMI14 (1) HDCP2.2 N/A USB 2.0 x1 N/A Stereo Mini Jack Power Out - N/A / Touch Out - x1 N/A RS232C (in) thru stereo jack, RJ45 N/A N/A Internal AC100 - 240 V, 50/60 Hz 38.5 28 35 |
| ve Display Area htness(Typ.) trast Ratio (Typ.) ving Angle(H/V) ponse Time (G to G) or Gamut ration Hour e amic C/R canning Frequency aming Frequency aming Frequency aming Frequency aker Type RGB VIDEO UT HDCP AUDIO USB RGB VIDEO UT HDCP AUDIO USB RGB VIDEO USB RGB VIDEO USB RGB VIDEO USB RGB VIDEO USB RGB VIDEO USB RGB VIDEO USB RGB VIDEO ERNAL SENSOR er e e er en enson(mm) Package Autor Set Package Set Package Pack | 52704 (H) x 296.46 (V) 250 1000:1 178/178 14ms (Typ.) 16.7 M (real 6bit, dither 8bit) 72% 16.7 T2% 16.7 25% MEGA 55 ~ 84.5kHz 48 ~ 75HZ 594MHz Built in Speaker (5W) N/A HDMI14 (1) HDCP2.2 N/A USB2.0 x1 N/A Stereo Mini Jack N/A N/A Stereo Mini Jack N/A N/A N/A N/A N/A N/A N/A N/A | 52704 (H) x 296.46 (V) 250 (w/o Glass) 178/178 14/ms (Typ.) 16.7 M (real 6bit, dither 8bit) 72% 16/7 10% MEGA 56 - 84.5kHz 48 ~ 75HZ 594MHz Built in 5peaker (5W) N/A HDM114 (1) HDCP12,2 N/A USB 2.0 x1 N/A USB 2.0 x1 N/A Stereo Mini Jack Power Out - N/A / Touch Out - x1 N/A R5232C (in) thru stereo jack, RJ45 N/A Internal AC100 - 240 V, 50/60 Hz 38.5 28 35 131.3 |
| htness(Typ.) trast Ratio (Typ.) ving Angle(H/V) ponse Time (G to G) alay Colors r Gamut ration Hour e amic C/R canning Frequency taming Frequenc | 250 1000-1 178/178 174/ns (Typ.) 16.7 M (real 6bit, dither 8bit) 72% 16/7 25% MEGA 46 - 75HZ 594/Hz Built in Speaker (5W) N/A HDM11.4 (1) HDCP2.2 N/A USB 2.0 x 1 N/A N/A Stereo Mini Jack N/A Stereo Mini Jack N/A N/A Stereo Mini Jack N/A Stereo Mini Jack N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A | 250 (w/o Glass) 1000:1 (w/o Glass) 178/178 14ms (Typ.) 16.7 M (real 6bit, dither 8bit) 72% 16/7 10% MEGA 56 - 84.5kHz 48 ~ 75HZ 594MHz 594MHz 594MHz 594MHz 394MHz 10% N/A HDM1.4 (1) HDCP.2.2 N/A HDM1.4 (1) HDCP.2.2 N/A USB 2.0 x1 N/A Stereo Mini Jack Power Out - N/A / Touch Out - x1 N/A R5232C (in) thru stereo jack, RJ45 N/A N/A R5232C (in) thru stereo jack, RJ45 N/A N/A Internal AC100 - 240 V, 50/60 Hz 38.5 28 35 |
| trast Ratio (Typ.) ving Angle(H/V) ponse Time (G to G) or Gamut ration Hour e amic C/R canning Frequency timum Pixel Frequency t | 1000:1 178/178 14ms (Typ.) 16.7 M (real 6bit, dither 8bit) 72% 16/7 25% MEGA 55 ~ 84.5kHz 48 ~ 75HZ 594MHz Built in Speaker (5W) N/A HDMI1.4 (1) HDCP 2.2 N/A USB 2.0 x1 N/A N/A Stereo Mini Jack N/A N/A Stereo Mini Jack N/A RS232C (in) tru stereo jack, RJ45 N/A N/A C100 - 240 V, 50/60 Hz 38.5 25 35 131.3 0.5 | 1000-1 (w/o Glass) 178/178 114ms (Typ.) 16.7 M (real obbit, dither 8bit) 72% 16.7 M (real obbit, dither 8bit) 72% 16/7 10% MEGA 56 = 84.5kHz 48 ~ 75HZ 594MHz Built in Speaker (SW) N/A 48 ~ 75HZ 594MHz Built in Speaker (SW) N/A HDM11.4 (1) HDCP.2.2 N/A HDM11.4 (1) HDCP.2.2 N/A USB 2.0 x1 N/A Stereo Mini Jack Power Out - N/A / Touch Out - x1 N/A Stereo Mini Jack Power Out - N/A / Touch Out - x1 N/A Stereo Jack, RJ45 N/A N/A Internal AC100 - 240 V, 50/60 Hz 38.5 28 35 |
| ving Angle(H/V) ponse Time (G to G) ponse Time (G to G) play Colors r Gamut ration Hour e amic C/R canning Frequency aming Frequency aming Frequency aming Frequency aming Frequency ater Type | 178/178 14ms (Typ.) 16.7 M (real 6bit, dither 8bit) 72% 16/7 25% MEGA 48 ~ 75HZ 594MHz Built in Speaker (5W) N/A HDMI14 (1) HDCP2.2 N/A N/A N/A Stereo Mini Jack N/A N/A Stereo Mini Jack N/A Stereo Mini Jack N/A N/A N/A N/A N/A N/A N/A N/A | 178/178 14ms (Typ.) 16.7 M (real 6bit, dither 8bit) 72% 16/7 10% MEGA 56 - 84.5kHz 48 ~ 75HZ 594MHz Built in Speaker (5W) N/A HDM114 (1) HDCP2.2 N/A USB 2.0 x1 N/A Stereo Mini Jack Power Out - N/A / Touch Out - x1 N/A Stereo Mini Jack Power Out - N/A / Touch Out - x1 N/A RS232C (in) thru stereo jack, RJ45 N/A N/A Internal AC100 - 240 V, 50/60 Hz 38.5 28 35 131.3 |
| ponse Time (G to G) lay Colors or Gamut r Gamut e amic C/R canning Frequency imum Pixel Frequency imum Pixel Frequency imum Pixel Frequency imum Pixel Frequency imum Pixel Frequency aker Type RGB VIDEO UT HDCP AUDIO USB RGB VIDEO UDEO HDCP AUDIO USB RGB VIDEO USB RGB VIDEO USB RGB VIDEO USB RGB VIDEO USB RGB VIDEO USB RGB VIDEO USB RGB VIDEO USB RGB VIDEO USB RGB VIDEO USB RGB VIDEO ISB RGB VIDEO ISB RGB VIDEO ISB RGB VIDEO ISB SB ERNAL SENSOR er e e e e e e e e e e e e e | 14ms (Typ.) 16.7 M (real 6bit, dither 8bit) 72% 16.7 M (real 6bit, dither 8bit) 72% 16.7 M (real 6bit, dither 8bit) 72% 16.7 M (real 6bit, dither 8bit) 72% MEGA MEGA 55 ~ 84.5kHz 48 ~ 75HZ 594MHz Built in Speaker (5W) N/A MUMI14 (1) HDCP2.2 N/A N/A N/A N/A Stereo Mini Jack N/A N/A N/A N/A N/A N/A N/A N/A | 14ms (Typ.) 16.7 M (real 6bit, dither 8bit) 72% 16/7 10% MEGA 56 - 84.5kHz 48 ~ 75HZ 594MHz Built in Speaker (5W) N/A HDM1.4 (1) HDCP1.2 N/A USB 2.0 x1 N/A USB 2.0 x1 N/A Stereo Mini Jack Power Out - N/A / Touch Out - x1 N/A Stereo Mini Jack Power Out - N/A / Touch Out - x1 N/A RS232C (in) thru stereo jack, RJ45 N/A Internal AC100 - 240 V, 50/60 Hz 38.5 28 35 131.3 |
| se Image: Second | 167 M (real 6bit, dither 8bit) 72% 72% 72% MEGA 75% 75% 75% 75% 75% 75% 75% 75% 75% 75% | 16.7 M (real 6bit, dither 8bit) 72% 16/7 10% MEGA 56 ~ 84.5kHz 48 ~ 75HZ 594MHz Builtin 5peaker (5W) N/A HDM114 (1) HDCP 2.2 N/A USB 2.0 x1 N/A USB 2.0 x1 N/A Stereo Mini Jack Power Out - N/A / Touch Out - x1 N/A RS232C (in) thru stereo jack, RJ45 N/A RS232C (in) thru stereo jack, RJ45 N/A RS232C (in) thru stereo jack, RJ45 N/A RS232C (in) thru stereo jack, RJ45 N/A Stereo Mini Jack 28 35. 28 35 35. |
| r Gamut ration Hour e amic C/R canning Frequency canning Frequency aker Type | 72% 16/7 25% MEGA 56~84.5kHz 48~75HZ 594MHz Built in Speaker(5W) N/A HDMI1.4 (1) HDCP2.2 N/A USB 2.0 x1 N/A N/A Stereo Mini Jack N/A N/A Stereo Mini Jack N/A RS232C (in) thru stereo jack, RJ45 N/A N/A Internal AC100 - 240 V, 50/60 Hz 38.5 25 35 131.3 0.5 N/A | 72% 16/7 16/7 10% MEGA 56 ~ 84.5kHz 48 ~ 75HZ 594/Hiz Built in Speaker (SW) N/A HDM1.4 (1) HDCP.2.2 N/A HDM1.4 (1) HDCP.2.2 N/A USB 2.0 x1 N/A Stereo Mini Jack Power Out - N/A / Touch Out - x1 N/A Stereo Mini Jack Power Out - N/A / Touch Out - x1 N/A R5232C (in) thru stereo jack, RJ45 N/A R5232C (in) thru stereo jack, RJ45 N/A Internal AC100 - 240 V, 50/60 Hz 38.5 28 35 |
| ration Hour e amic C/R canning Frequency anning Frequency aming Frequency aker Type | 16/7 25% MEGA 6 - 84.5kHz 4 8 - 75HZ 594MHz Built in Speaker (SW) N/A HDMI14 (1) HDCP2.2 N/A USB 2.0 x1 N/A N/A Stereo Mini Jack N/A Stereo Mini Jack N/A RS232C (in) thru stereo jack, RJ45 N/A KA RS232C (in) thru stereo jack, RJ45 N/A Internal AC 100 - 240 V, 50/60 Hz 38.5 25 35 131.3 0.5 N/A | 16/7 10% MEGA 56 - 84.5kHz 48 ~ 75HZ 594MHz Built in Speaker (5W) N/A HDM114 (1) HDCP2.2 N/A USB 2.0 x1 N/A Stereo Mini Jack Power Out - N/A / Touch Out - x1 N/A Stereo Mini Jack Power Out - N/A / Touch Out - x1 N/A RS232C (in) thru stereo jack, RJ45 N/A N/A Internal AC100 - 240 V, 50/60 Hz 38.5 28 35 131.3 |
| e amic C/R canning Frequency anning Frequency imum Pixel Freque- kater Type | 25% MEGA MEGA ABC 56~84.5kHz A8~75HZ 594MHz Built in Speaker (5W) N/A HDM11.4 (1) HDCP2.2 N/A USB 2.0 x1 N/A Stereo Mini Jack N/A Stereo Mini Jack N/A Stereo Mini Jack N/A Stereo Mini Jack N/A Stereo Mini Jack N/A Cloo - 240 V, 50/60 Hz 38.5 25 35 35 313.3 0.5 N/A | 10% MEGA MEGA 56 ~ 84.5kHz 48 ~ 75HZ 554MHz Built in Speaker (SW) N/A HDM11.4 (1) HDM11.4 (1) HDCP2.2 N/A USB 2.0 x1 N/A USB 2.0 x1 N/A Stereo Mini Jack Power Out - N/A / Touch Out - x1 N/A RS232C (in) thru stereo jack, RJ45 N/A RS232C (in) thru stereo jack, RJ45 N/A Internal AC100 - 240 V, 50/60 Hz 38.5 28 35 131.3 |
| amic C/R canning Frequency aker Type | MEGA 56 - 84.5kHz 48 - 75HZ 594MHz Built in Speaker (5W) N/A HDMI1.4 (1) HDCP 2.2 N/A USB 2.0 x 1 N/A USB 2.0 x 1 N/A N/A Stereo Mini Jack N/A N/A RS232C (in) thru stereo jack, RJ45 N/A N/A Internal AC 100 - 240 V, 50/60 Hz 38.5 25 35 131.3 0.5 | MEGA 56 - 84.5kHz 48 ~ 75HZ 594MHz Builtin 5peaker (5W) N/A HDM114 (1) HDCP 2.2 N/A USB 2.0 x1 N/A USB 2.0 x1 N/A Stereo Mini Jack Power Out - N/A / Touch Out - x1 N/A RS232C (in) thru stereo jack, RJ45 N/A RS232C (in) thru stereo jack, RJ45 N/A RS232C (in) thru stereo jack, RJ45 N/A RS232C (in) thru stereo jack, RJ45 N/A Stereo Mini Jack RS232C (in) thru stereo jack, RJ45 N/A Stereo Jack, RJ45 RS232C (in) thru stereo jack, RJ45 Stereo Jack, RJ45 RS232C (in) thru stereo jack, RJ45 RS25 RS25 RS25 RS25 RS25 RS25 RS25 RS2 |
| canning Frequency canning Frequency imum Pixel Frequency aker Type RGB VIDEO HDCP AUDIO USB RGB VIDEO AUDIO USB RGB VIDEO AUDIO Power Out USB ERNAL CONTROL ERNAL SENSOR er er er er er en frer Consumption Rating(Wh1] Rating(Wh1] Rating(Wh1] Rating(Wh1) Rating(W | 56 ~ 84.5kHz 48 ~ 75HZ 594MHz Built in Speaker (5W) N/A HDMI1.4 (1) HDCP2.2 N/A V/A V/A N/A N/A Stereo Mini Jack N/A N/A RS232C (in) thru stereo jack, RJ45 N/A N/A N/A N/A N/A N/A Stereol AU Stereol AU N/A N/A N/A N/A N/A N/A N/A N/A | 56 ~ 84.5kHz 48 ~ 75HZ 594MHz Built in Speaker (SW) N/A HDM1.4 (1) HDCP.2.2 N/A USB 2.0 x1 N/A Stereo Mini Jack Power Out - N/A / Touch Out - x1 N/A RS232C (in) thru stereo jack, RJ45 N/A RS232C (in) thru stereo jack, RJ45 N/A Internal AC100 - 240 V, 50/60 Hz 38.5 28 35 131.3 |
| canning Frequency imum Pixel Frequency aker Type RGB VIDEO UT HDCP AUDIO USB RGB VIDEO USB RGB VIDEO USB RGB VIDEO USB RGB VIDEO USB RGB VIDEO USB RGB VIDEO USB RGB VIDEO USB RGB VIDEO USB RGB VIDEO USB RGB VIDEO USB RGB VIDEO TOTO Power Out USB ERNAL SENSOR er ser ser ser ser ser ser ser | 48 ~ 75HZ 594MHz Built in Speaker (SW) N/A HDMI1.4 (1) HDCP 2.2 N/A USB 2.0 x1 N/A N/A Stereo Mini Jack N/A Stereo Mini Jack N/A Stereo Mini Jack N/A Stereo Mini Jack N/A Clober 200 (SD/60 Hz) 38.5 25 35 131.3 0.5 N/A | 48 ~ 75HZ 594MHz Built in Speaker (5W) N/A HDMI 1.4 (1) HDCP 2.2 N/A USB 2.0 x1 N/A N/A Stereo Mini Jack Power Out - N/A / Touch Out - x1 N/A RS232C (in) thru stereo Jack, RJ45 N/A N/A Internal AC100 - 240 V, 50/60 Hz 38.5 28 35 131.3 |
| canning Frequency imum Pixel Frequency aker Type RGB VIDEO UT HDCP AUDIO USB RGB VIDEO USB RGB VIDEO USB RGB VIDEO USB RGB VIDEO USB RGB VIDEO USB RGB VIDEO USB RGB VIDEO USB RGB VIDEO USB RGB VIDEO USB RGB VIDEO USB RGB VIDEO TOTO Power Out USB ERNAL SENSOR er ser ser ser ser ser ser ser | 594MHz Built in Speaker (5W) N/A HDMI14 (1) HDCP 2.2 N/A USB 2.0 x1 N/A N/A N/A Stereo Mini Jack N/A Stereo Mini Jack N/A R5232C (in) Hru stereo jack, RJ45 N/A K5232C (in) Hru stereo jack, RJ45 N/A Internal AC 100 - 240 V, 50/60 Hz 38.5 25 35 131.3 0.5 | 594MHz Built in Speaker (SW) N/A HDM114 (1) HDCP2.2 N/A USB 2.0 x1 N/A Stereo Mini Jack Power Out - N/A / Touch Out - x1 N/A RS232C (in) thru stereo jack, RJ45 N/A RS232C (in) thru stereo jack, RJ45 N/A Internal AC 100 - 240 V, 50/60 Hz 38.5 28 35 131.3 |
| imum Pixel Frequency aker Type | 594MHz Built in Speaker (5W) N/A HDMI14 (1) HDCP 2.2 N/A USB 2.0 x1 N/A N/A N/A Stereo Mini Jack N/A Stereo Mini Jack N/A R5232C (in) Hru stereo jack, RJ45 N/A K5232C (in) Hru stereo jack, RJ45 N/A Internal AC 100 - 240 V, 50/60 Hz 38.5 25 35 131.3 0.5 | 594MHz Built in Speaker (SW) N/A HDM114 (1) HDCP2.2 N/A USB 2.0 x1 N/A Stereo Mini Jack Power Out - N/A / Touch Out - x1 N/A RS232C (in) thru stereo jack, RJ45 N/A RS232C (in) thru stereo jack, RJ45 N/A Internal AC 100 - 240 V, 50/60 Hz 38.5 28 35 131.3 |
| aker Type RGB VIDEO VIDEO UT HDCP AUDIO USB rgu RGB VIDEO AUDIO USB RGB rPUT AUDIO Power Out USB ERNAL CONTROL USB ERNAL SENSOR | Built in Speaker (5W) N/A HDMI1.4 (1) HDCP.2.2 N/A USB 2.0 x1 N/A N/A Stereo Mini Jack N/A N/A RS232C (in) thru stereo jack, RJ45 N/A N/A Internal AC 100 - 240 V, 50/60 Hz 38.5 25 35 131.3 0.5 N/A | Built in Speaker (5W) N/A HDMI1.4 (1) HDCP2.2 N/A USB 2.0 x1 N/A Stereo Mini Jack Power Out - N/A / Touch Out - x1 N/A RS232C (in) thru stereo jack, RJ45 N/A RS232C (in) thru stereo jack, RJ45 N/A Internal AC100 - 240 V, 50/60 Hz 38.5 28 35 131.3 |
| RGB VIDEO HDCP AUDIO USB RGB VIDEO AUDIO USB PUT AUDIO PowerOut USB ERNAL CONTROL ERNAL SENSOR er er rerSupply Max[W/h] Typical[W/h] Rating[W/h] BTU(Max) Sleep mode Off mode Set ension(mm) Package Package Set | N/A HDMI14.(1) HDCP2.2 N/A USB2.0x1 N/A N/A Stereo Mini Jack N/A N/A RS232C (in) thru stereo jack, RJ45 N/A N/A C100 - 240 V, 50/60 Hz 38.5 25 35 35 131.3 0.5 N/A | N/A HDM114 (1) HDCP 2.2 N/A USB 2.0 x1 N/A Stereo Mini Jack Power Out - N/A / Touch Out - x1 N/A RS232C (in) thru stereo jack, RJ45 N/A N/A Internal AC100 - 240 V, 50/60 Hz 38.5 28 35 131.3 |
| VIDEO VIDEO HDCP AUDIO USB RGB VIDEO AUDIO PowerOut USB ERNAL CONTROL ERNAL SENSOR er er er er er er er en er en er en er en er en er en er en er en en en en en en en en en en | HDMI1.4 (1) HDCP2.2 N/A USB2.0 x1 N/A N/A Stereo Mini Jack N/A N/A RS232C (in) thru stereo jack, RJ45 N/A N/A Internal AC100 - 240 V, 50/60 Hz 38.5 25 35 131.3 0.5 N/A | HDMI1.4 (1) HDCP.2.2 N/A USB.2.0 x1 N/A N/A Stereo Mini Jack Power Out - N/A / Touch Out - x1 N/A RS232C (in) thru stereo Jack, RJ45 N/A N/A Internal AC100 - 240 V, 50/60 Hz 38.5 28 35 131.3 |
| UT HDCP AUDIO USB VIDEO VIDEO POWE OUT USB ERNAL CONTROL ERNAL SENSOR er er er er so er er so er er er so er er er er er er er er er er er er er | HDCP 2.2 N/A USB 2.0 x1 N/A N/A Stereo Mini Jack N/A RS232C (in) Hru stereo jack, RJ45 N/A RS232C (in) tru stereo jack, RJ45 N/A Internal AC 100 - 240 V, 50/60 Hz 38.5 25 35 131.3 0.5 N/A | HDCP 2.2 N/A USB 2.0 x1 N/A N/A Stereo Mini Jack Power Out - N/A / Touch Out - x1 N/A RS232C (in) thru stereo jack, RJ45 N/A N/A Internal AC100 - 240 V, 50/60 Hz 38.5 28 35 131.3 |
| AUDIO USB WIDEO VIDEO VIDEO PUT AUDIO Power Out USB ERNAL SENSOR ERNAL SENSOR ERNAL SENSOR er er er ver Consumption Max[W/h] Typical[W/h] Rating[W/h] BTU(Max) Sleep mode Off mode Set Package Package Set | N/A USB 2.0 x1 N/A N/A Stereo Mini Jack N/A RS232C (in) thru stereo jack, RJ45 N/A N/A Internal AC 100 - 240 V, 50/60 Hz 38.5 25 35 131.3 0.5 N/A | N/A USB 2.0 x1 N/A N/A Stereo Mini Jack Power Out - N/A / Touch Out - x1 N/A RS232C (in) thru stereo jack, RJ45 N/A N/A Internal AC 100 - 240 V, 50/60 Hz 38.5 28 35 131.3 |
| USB RGB VIDEO VIDEO PowerOut USB ERNAL CONTROL ERNAL SENSOR er er er er er er er er er er | USB 2.0 x1 N/A N/A Stereo Mini Jack N/A N/A RS232C (in) thru stereo jack, RJ45 N/A N/A Internal AC100 - 240 V, 50/60 Hz 38.5 25 35 35 131.3 0.5 N/A | USB 2.0 x1 N/A N/A Stereo Mini Jack Power Out - N/A / Touch Out - x1 N/A RS232C (in) thru stereo jack, RJ45 N/A N/A Internal AC100 - 240 V, 50/60 Hz 38.5 28 35 131.3 |
| RGB VIDEO AUDIO Power Out USB ERNAL CONTROL ERNAL SENSOR er e rer Supply Max[W/h] Typical[W/h] Rating[W/h] BTU(Max) Sleep mode Off mode Set ension(mm) Package path Set | N/A N/A Stereo Mini Jack N/A N/A RS232C (in) thru stereo jack, RJ45 N/A N/A Internal AC 100 - 240 V, 50/60 Hz 38.5 25 35 131.3 0.5 N/A | N/A N/A Stereo Mini Jack Power Out - N/A / Touch Out - x1 N/A RS232C (in) thru stereo jack, RJ45 N/A N/A Internal AC100 - 240 V, 50/60 Hz 38.5 28 35 131.3 |
| VIDEO PUT AUDIO Power Out USB ERNAL CONTROL USB ERNAL SENSOR Training er | N/A Stereo Mini Jack N/A N/A RS232C (in) thru stereo jack, RJ45 N/A N/A N/A Internal AC100 - 240 V, 50/60 Hz 38.5 25 35 131.3 0.5 N/A | N/A Stereo Mini Jack Power Out - N/A / Touch Out - x1 N/A RS232C (in) thru stereo jack, RJ45 N/A N/A Internal AC100 - 240 V, 50/60 Hz 38.5 28 35 131.3 |
| PUT AUDIO Power Out USB ERNAL SENSOR er er er er Per Supply Max[W/h] Typical[W/h] Rating[W/h] BTU(Max) Sleep mode Off mode Set Package Set off Set | Stereo Mini Jack N/A N/A RS232C (in) thru stereo jack, RJ45 N/A N/A Internal AC 100 - 240 V, 50/60 Hz 38.5 25 35 131.3 0.5 N/A | Stereo Mini Jack Power Out - N/A / Touch Out - x1 N/A RS232C (in) thru stereo jack, RJ45 N/A N/A Internal AC100 - 240 V, 50/60 Hz 38.5 28 35 131.3 |
| Power Out USB ERNAL SENSOR er er er er er er er er gener er ersonnumption Rating(W/h) BTU(Max) Sleep mode Off mode Set Package pht (kn) | N/A N/A RS232C (in) thru stereo jack, RJ45 N/A Internal AC 100 - 240 V, 50/60 Hz 38.5 25 35 131.3 0.5 N/A | Power Out - N/A / Touch Out - x1 N/A RS232C (in) thru stereo jack, RJ45 N/A N/A Internal AC100 - 240 V, 50/60 Hz 38.5 28 35 131.3 |
| USB ERNAL CONTROL ERNAL SENSOR er rer Supply rer Supply rer Consumption rer Consumption mathematical set | N/A RS232C (in) thru stereo jack, RJ45 N/A N/A Internal AC 100 - 240 V, 50/60 Hz 38.5 25 35 131.3 0.5 N/A | N/A RS232C (in) thru stereo jack, RJ45 N/A N/A Internal AC100 - 240 V, 50/60 Hz 38.5 28 35 131.3 |
| ERNAL CONTROL ERNAL SENSOR er a fers Supply Max[W/h] Typical[W/h] Rating[W/h] BTU(Max) Sleep mode Off mode Set ension(mm) Package pht (kn) Set | RS232C (in) thru stereo jack, RJ45 N/A N/A Internal AC100 - 240 V, 50/60 Hz 38.5 25 35 131.3 0.5 N/A | RS232C (in) thru stereo jack, RJ45 N/A N/A Internal AC100 - 240 V, 50/60 Hz 38.5 28 35 131.3 |
| ERNAL SENSOR er a mer Supply Max[W/h] Typical[W/h] Rating[W/h] BTU(Max) Sleep mode Off mode Set Package ntt (kn) | N/A N/A Internal AC100 - 240 V, 50/60 Hz 38.5 25 35 131.3 0.5 N/A | N/A N/A Internal AC100 - 240 V, 50/60 Hz 38.5 28 35 131.3 |
| er e ver Supply ver Consumption and the set ter Sonsumption Max[W/h] Typical(W/h] Rating[W/h] BTU(Max) Sleep mode Off mode Off mode Set Package Set Set | N/A Internal AC100 - 240 V, 50/60 Hz 38.5 25 35 131.3 0.5 N/A | N/A Internal AC100 - 240 V, 50/60 Hz 38.5 28 35 131.3 |
| 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | Internal AC 100 - 240 V, 50/60 Hz 38.5 25 35 131.3 0.5 N/A | Internal AC100 - 240 V, 50/60 Hz 38.5 28 35 131.3 |
| rer Supply Wax[W/h] Typical[W/h] Rating[W/h] BTU(Max) Sleep mode Off mode Off mode ension(mm) Package pht (kn) Set | AC100-240 V, 50/60 Hz 38.5 25 35 131.3 0.5 N/A | AC100 - 240 V, 50/60 Hz 38.5 28 35 131.3 |
| ension(mm) Set | 38.5 25 35 131.3 0.5 N/A | 38.5 28 35 131.3 |
| rer Consumption resion(mm) Typical[W/h] Rating[W/h] BTU(Max) Sleep mode Off mode Package Set Package | 25 35 131.3 0.5 N/A | 28 35 131.3 |
| rer Consumption Rating[W/h] BTU(Max) Sleep mode Off mode ension(mm) Set Package htt (kn) Set | 35 131.3 0.5 N/A | 35 131.3 |
| BTU(Max) Sleep mode Off mode ension(mm) Package oht (kn) | 131.3 0.5 N/A | 131.3 |
| BTU(Max) Sleep mode Off mode ension(mm) Package oht (kn) | 0.5 N/A | |
| ension(mm) Set Package Set Set Set Set Set Set Set Set Set Se | 0.5 N/A | |
| Off mode Set Package Set | N/A | |
| ension(mm) Set Package Set | | N/A |
| ension(mm) Package Set | 5479 x 334.4 x 31.8 | 5479 x 334.4 x 34.6 |
| abt (ka) Set | 620 x 419 x 122 | 620 x 419 x 122 |
| aht (ka) | 3.0 | 4.0 |
| i uchuge | 4.1 | 5.2 |
| A Mount | 100 x 100 | 100 ×100 |
| rection Glass | N/A | 2.0T |
| nd Type | N/A N/A | N/A |
| el Width (Top/Side/Bot) (mm) | 17.9mm (U/B), 9.4mm (L/R) | 17.9mm (U/B), 9.4mm (L/R) |
| | 0°C~ 40°C | 0°C~ 40°C |
| rating Temperature | | |
| nidity | 10 ~ 80% | 10~80% |
| | Small Signage Display Slim & Light Signage with | Small Touch Signage Display Slim & Light Signage with |
| | Built-in MagicInfo S6, SSSP 6.0 | Built-in MagicInfo S6, SSSP 6.0 |
| H/W | Temperature Sensor, Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker (SW1ch), IP5x Rating, Wi-Fi/BT | Temperature Sensor,Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker (5W Tch), IP5x Rating, Wi-Fi/BT, 10 Point Touch (Max) |
| cial S/W | Auto Source Switching & Recovery, | Auto Source Switching & Recovery, |
| | LFD Home UI, Button Lock, Hot key option, Plug&Play (Initial Setting) | 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 |
| On-Chip Cache | L1 Instruction Cache : 48KB | L1 Instruction Cache : 48KB |
| Memory | L1 Data Cache : 32KB L2 Cache : 2MB | L1 Data Cache : 32KB L2 Cache : 2MB |
| Clock Speed | 1.7GHz | 1.7GHz |
| Main Memory | 2.5GB | 2.5GB |
| Interface | LPDDR41.5GHz 64bit | LPDDR41.5GHz 64bit |
| rnal Player Graphics bedded H/W) | 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 0/5, 4.12GB Available) | 8GB (3.88GB Occupied by O/S, 4.12GB Available) |
| Multimedia IO Ports Operating System | *Video Decoder : MPEG-1/2/4, H.263, H.264/AVC, UHD H.264/AVC, | *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 USB 2.0 | VC-1, HEVC, JPEG, PNG, VP8, VP9 *Audio Decoder : AC3 (DD), MPEG USB 2.0 |
| | Tizen 4.0 (VDLinux) | Tizen 4.0 (VDLinux) |
| ty | 60950-1 | 60950-1 |
| - | Class B | Class B |
| | | ENERGY STAR 8.0, Epeat |
| ronnent | | |
| urity | 802.1 x (WPA2 Enterprise) : EAP-TLS, EAP-TTLS, EAP-PEAP | 802.1 x (WPA2 Enterprise) : EAP-TLS, EAP-TTLS, EAP-PEAP |
| uded | Quick Setup Guide, Warranty Card, Power Cord, Remote Controller, Batteries | Quick Setup Guide, Warranty Card, Power Cord, Remote Controller, Batteries, USB Cable |
| Stand | | |
| | | N/A |
| Optional Specialty | | N/A |
| SUPCIAILY | N/A | N/A |
| ironment urity uded | Stand | ENERGY STAR 8.0, Epeat 802.1 x (WPA2 Enterprise) : EAP-TLS, EAP-PEAP Quick Setup Guide, Warranty Card, Power Cord, Remote Controller, Batteries Stand N/A Mount N/A |

SAMSUNG

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

Copyright © 2020 Samsung Electronics Co. Ltd. All rights reserved. Samsung is a registered trademark of Samsung Electronics Co. Ltd. Specifications and designs are subject to change without notice. Non-metric weights and measurements are approximate. All data were deemed correct at time of creation. Samsung is not liable for errors or omissions. All brand, product, service names and logos are trademarks and/or registered trademarks of their respective owners and are hereby recognized and acknowledged.

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