About Samsung
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Why large UHD displays for your business?

Large digital displays are becoming more popular in today’s business due to its impressive size and delivery of content. Samsung, as the industry leader in digital displays, responded to the trend and designed an entire lineup of large displays that will fit the need of any business. These big displays create a modern and revitalized environment that attracts consumers to businesses. With a sleek and stylish design, these state-of-the-art displays will enhance any business with its commanding presence and exceptional size.

Samsung’s large digital displays are as impressive in size, but also present UHD-quality content creating a spectacular visual experience with outstanding graphics and images. The UHD displays present information realistically and vividly, promoting the services or products with the high-resolution images. Moreover, as more creators of content are producing UHD-quality content, UHD resolution is becoming the standard in the industry. As businesses look to purchase a large digital display, it should consider one that supports UHD-quality content as this is the new standard in the media industry when content is created.

Creating an endless opportunity of digital displays, Samsung’s large-sized lineup meets and exceeds the expectation of any business. Depending on its needs, budget, space allotment or display location Samsung’s large digital displays can be incorporated to enhance any space.

Integrated designs for any environment

Choose from numerous dimensions
Starting at 65” to 98”, supporting both landscape and portrait mode, Samsung’s large-sized displays provide the various options for businesses to select, depending on its space allotment.

Accommodate any display location
Samsung’s large displays are available in many different brightness options, depending on the lighting needs of where the display is placed. From 300 to 500nit, users can choose the right display to ensure brilliant content delivery regardless of its location.

Deliver multiple formats of content
Embedded in Samsung’s large-sized digital displays, MagicINFO player 6 allows businesses to deliver exquisite video, image and text content in UHD as well as FHD resolution.

Pick the perfect connection
Samsung’s large digital displays have various input sources to ensure seamless content playing no matter the content source. Included in the display are DVI, DP, HDMI, RJ45, USB ports.
Samsung knows that business needs are not the same and developed a full lineup of large-sized displays in QMN, QBN and the QEN series. All of the displays are impressive as they are functional. Depending on the needs of the business, either of these displays would be an ideal addition to create the most up-to-date, appealing space within a business. Regardless of the size or location, Samsung’s digital displays will deliver content with precision and brilliance.

### Samsung’s lineup of large-sized displays

**QMN**
**Deliver brilliant content 24 hours daily**
Samsung’s QMN Series is a reliable digital display that is available in sizes ranging from 65” to 98”. With its 500nit brightness, images are brilliantly projected with UHD picture quality. Ensured of 24/7 performance, users reduce the maintenance of the display creating greater efficiencies.

**QBN**
**Share information with powerful performance**
The QBN series from Samsung delivers vibrant images that are inviting to any business, creating a modern environment. The QBN is available in 65” and 75” with the brightness of 350nit. Backed by the TIZEN 4.0 operating system, users are assured of painless content management and seamless content transition.

**QEN**
**Improve environment with impactful visuals**
Samsung QEN’s large 82” screen impresses with its awe-inspiring images. Bezel-less on three sides, the QEN series transforms any meeting space into a visually appealing experience that is unique and welcoming. Featuring a modern slim-edge design, the QEN Series brings flexible style to any environment.

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**Size & Key features**

- **QMN**
  - UHD
  - 500nit
  - 32:9 Super Ultra-wide screen
  - Easy Setting Box
  - Picture in Picture
  - Picture by Picture

- **QBN**
  - UHD
  - 350nit
  - 32:9 Super Ultra-wide screen
  - Easy Setting Box
  - Picture in Picture
  - Picture by Picture

- **QEN**
  - UHD
  - 300nit
  - 32:9 Super Ultra-wide screen
  - Easy Setting Box
  - Picture in Picture
  - Picture by Picture

* There are 43, 49, 55 inches also available in QMN series

* There are 43, 49, 55 inches also available in QBN series

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* Landscape
  - UHD
  - 32:9 Super Ultra-wide screen
  - Easy Setting Box
  - Picture in Picture
  - Picture by Picture

* Portrait
  - UHD
  - 32:9 Super Ultra-wide screen
  - Easy Setting Box
  - Picture in Picture
  - Picture by Picture

* 24/7 Operation
  - TIZEN

* Landscape Only
  - UHD
  - 32:9 Super Ultra-wide screen
  - Easy Setting Box
  - Picture in Picture
  - Picture by Picture

* 16/7 Operation
  - TIZEN
Key features of Samsung’s QMN, QBN, QEN Series

Recent advancements have made Samsung’s large-sized display offerings even stronger and empower businesses to develop and deploy content with the confidence that it will perform continuously. Samsung’s QMN, QBN and QEN series highlight products with visually appealing graphics and images. With its Intelligent UHD Picture Quality, the displays elevate content from any source. Also, the embedded powerful MagicINFO Player software helps displays to manage overall performance seamlessly.

Intelligent Picture Quality

Samsung’s UHD displays leverage the Intelligent Picture Quality technology to elevate content delivery in any setting. This refined presentation transforms content from any source to UHD-level quality, and optimizes on-screen text and imagery with crisp edges and fine detail.

Streamline operational efficiency

The embedded MagicINFO Player S6, backed by the powerful TIZEN operating system, boosts the displays overall performance, allows for painless content management and ensures seamless content transition and playback.

Shield content from outside interference

Samsung’s QMN and QBN series’ durable, IP5x-validated design ensures continuous content delivery regardless of environmental conditions. As a result, transportation hubs and other arenas susceptible to dust, dirt and lighting exposure can activate and run the displays without an external enclosure.

*M QM85N and QM98N do not support IP5x validation.

Maintain continuous display performance

Beyond security and content management, users can trust the displays’ remote management for fast, efficient issue mitigation. Users can monitor and diagnose irregularities – both on their own and with help from Samsung’s 24/7 Network Operations Center – from any location.

Accelerate multi-screen content delivery

For added flexibility, the QMN series offers users HDMI 2.0 and DP 1.2 port connectivity. This versatility ensures a consistent 60 Hz refresh rate and optimal clarity regardless of the source. Additionally, users can configure UHD daisy chains up to 2x2 in size through the HDMI 2.0 port.

Empower secure and remote collaboration

Samsung’s KNOX platform provides rigid three-layer protection while also securing and controlling USB and user network exchange through dedicated signage device management. With added security, businesses can facilitate remote, PC-free meetings without risk or complexity.
Customize your environment with Samsung’s large-sized displays

From a corporate lobby to supermarket and retail store, Samsung’s large-sized displays can be incorporated in various businesses. Regardless of how the displays are used, they create a highly impactful, focal point to present important information to its business.
# Specification

## Model

### QMN
- **QM65N**
- **QM75N**
- **QM85N**
- **QM98N**

## Panel
- **Diagonal View**
  - QMN: 65”
  - QBN: 67”
  - QEN: 67”
- **Class**
  - QMN: 4K
  - QBN: 4K
  - QEN: 4K
- **Class Mode**
  - QMN: 4K
  - QBN: 4K
  - QEN: 4K
- **TV Mode**
  - QMN: 4K
  - QBN: 4K
  - QEN: 4K
- **Feature**
  - QMN: 65”
  - QBN: 67”
  - QEN: 67”
- **Diagnosis**
  - QMN: QBN QEN

## Connectivity
- **Mechanical**
  - **Input**
    - USB
    - HDMI
    - Display Port
    - DVI-D
  - **Output**
    - Stereo Mini Jack
    - DVI/HDMI/Audio(Common)

## Display
- **Resolution**
  - QMN: UHD (3840 x 2160)
  - QBN: UHD (3840 x 2160)
  - QEN: UHD (3840 x 2160)
- **Refresh Rate**
  - QMN: 60Hz
  - QBN: 60Hz
  - QEN: 60Hz
- **Color Gamut**
  - QMN: 72%
  - QBN: 72%
  - QEN: 72%
- **Brightness**
  - QMN: 16/7
  - QBN: 16/7
  - QEN: 16/7
- **Operation Hour**
  - QMN: 24/7
  - QBN: 24/7
  - QEN: 24/7

## Power
- **Input**
  - AC 100 - 240 V~ (+/- 10 %), 50/60 Hz
- **Output**
  - Built in Speaker(10W + 10W)
  - Built in Speaker(10W + 20W)

## Sound
- **Power Supply**
  - AC 100 - 240 V~ (+/- 10 %), 50/60 Hz
- **Power Consumption**
  - QMN: 1601 x 970 x 178
  - QBN: 1871 x 1131 x 234
  - QEN: 2050 x 1265 x 472
- **Rated Power**
  - QMN: 1457.5 x 837.3 x 59.4
  - QBN: 1684.6 x 966.7 x 60.4
  - QEN: 1903.4 x 1090.5 x 105.1

## Mechanical Spec
- **Weight**
  - QMN: 350
  - QBN: 440
  - QEN: 525
- **Size**
  - QMN: 1428.48 (H) x 803.52 (V)
  - QBN: 1650.24 (H) x 928.26 (V)
  - QEN: 1830.0 x 1054.0 x 59.4

## Display Colors
- **Internal**
  - QMN: Internal
  - QBN: Internal
  - QEN: Internal

## Display Colors
- **Input**
  - QMN: Built-in Speaker(10W + 10W)
  - QBN: Built-in Speaker(10W + 20W)
- **Output**
  - QMN: Built-in Speaker(10W + 20W)
  - QBN: Built-in Speaker(10W + 20W)

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  - QBN: Built-in Speaker(10W + 20W)
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  - QBN: Built-in Speaker(10W + 20W)