Specifications

### Physical
- **Real Pitch**: 1.67mm
- **Real Configuration**: SMD 3-in-1
- **Real Density**: 23,000 / 1,000 / 2722 (per panel)
- **Configuration (LED per panel)**: 196.844 pixels
- **Extruded Aluminum**: Yes
- **Extrusion Diameter**: 300 / 2,377 (mm²)
- **Physical Resolution of Panel**: 1,970 / 1,579 M
- **Physical Resolution of Structure (W × H)**: 30 x 30
- **Weight (per cabinet)**: 35 kg
- **Weight (per panel)**: 38 kg
- **Weight (per module)**: 38 kg

### Optical
- **Brightness (after Calibration)**: 6,000 cd/m²
- **Color Temperature - Adjustable**: 2,800 ~ 16,000K
- **Color Temperature - Default**: 6,500K (+/- 500K)
- **Contrast Ratio**: 3,000:1
- **Viewing Angle - Horizontal**: 140°
- **Viewing Angle - Vertical**: 100° (+30/-60)
- **Physical Resolution of Module**: 960 x 960 x 125
- **Physical Resolution of Panel**: 960 x 960 x 135
- **Pixel Configuration**: 1 x 3
- **Pixel Pitch**: 1mm
- **Pixel Density**: 960 x 960 pixels

### Electrical
- **Input Power**: 200~240V VAC, 50/60 Hz
- **Power Consumption - Max**: 280W (W/m²)
- **Power Consumption - Typ**: 140W (W/m²)
- **Power Consumption - Standby**: 4W (W/m²)

### Environmental
- **Storage Temperature/Humidity**: -30°C to 50°C / 10~90%
- **Working Temperature/Humidity**: -30°C to 50°C / 10~90%
- **Temperature - Outdoor**: -30°C to 60°C / 10~90%
- **Operating Conditions**:
  - **Humidity**: 10~90%
  - **Temperature**: -30°C to 50°C

### Certification
- **UL, CCC, FCC, KC, BIS, EAC**
- **EMC Class A, Safety 60950-1, CE, CB**

### Service
- **Service Area**: Front / Rear

### Compliance
- **Cabinet Configuration**: 1,004 / 1,004 (mm²)
- **Service Area**: 1,000 / 1,000 (mm²)

### Package
- **Box Volume**: 1,004 / 1,004 (mm³)

### Card Information
- **Cartridge**: 101 (Wata-BUS)
- **Card Carrier**: 101 (Wata-BUS)

### Highlights
- **Consistent visibility in any outdoor setting**
- **IP validated performance under various environmental conditions**
- **Reinforced design that maximizes users' convenience**
- **Slim, lightweight cabinet for faster installation and maintenance**
- **Over-voltage and over-current protection for enhanced safety**
- **Comprehensive support for a seamless management**

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LED signage unlocks new outdoor business opportunities

In an ever-changing world, businesses continue to look for new ways to capture audiences whenever and wherever they can, including crowded outdoor environments. Businesses also seek cost-efficient and low-maintenance solutions that ensure lasting performance in variable outdoor conditions as time lost on operational malfunctions translates to lost opportunities. Therefore, it is essential for business managers to trust their tools to deliver critical messages consistently without interruption.

XAT series is optimized for engagement in outdoor environments

Samsung’s XAT series expands business’ opportunities to attract and intrigue key customers outdoors. The XAT series displays deliver clear and consistent business messages, but in a more affordable and cost efficient manner. It features durable design and convenient functionality, such as front service and simple cabling, which enhance the ease of installation and maintenance. In addition, every cabinet undergoes environmental testing to validate its performance against potential interference from heat, water and weather. Through this durable design, businesses can enjoy optimal operation anywhere and at any time. Our comprehensive expertise will solve businesses challenges.

High picture quality

Flexibility and convenience

Regardless of surrounding weather or lighting, XAT series delivers content at optimal visibility and uniformity. These displays can stream videos without distortion or interruption through a high refresh rate and deter light interference by maintaining a uniform high brightness at all times.

Clear, consistent picture

Outdoor reliability

The XAT series ensures ongoing performance when exposed to high temperature, high-humidity and a variety of natural and unintentional scenarios. This includes IP validation that guarantees excellent defense for both front (IP65 certified) and back (IP65 certified) sides of the display.

Durable in outdoor environments

Regardless of surrounding weather or lighting, XAT series delivers content at optimal visibility and uniformity. These displays can stream videos without distortion or interruption through a high refresh rate and deter light interference by maintaining a uniform high brightness at all times.

Operational efficiency

User-friendly design

The XAT series is designed to reinforce users’ convenience. The concealed handles allow for easy transportation and space efficiency. ‘Plug-and-play’ connectors at the bottom of the cabinet can save wiring time and dustproof brim design prevents the entry of dust inside of the cabinet.

Effortless set-up and maintenance

A slim, lightweight cabinet and one-touch cabling saves cost and time during installation. In addition, both front and rear service capability allows for space-saving installation and easy maintenance.

Safe and stable operation

The XAT series is built with meticulous attention to safety. An integrated circuit breaker ensure absolute protection from short circuit, over-voltage or over-current. This type of safeguard prevents the displays from suffering future damages.

Comprehensive management

From planning to after-installation maintenance, Samsung guarantees a seamless signage management process that saves valuable time and money. Our experts design and configure displays that suit customers’ needs and round-the-clock service helps alleviate problems and prevent any disruptions.