**SAMSUNG**

# Samsung QB13R-TM Pannello piatto interattivo 33 cm (13") LED Wi-Fi 500 cd/m² Full HD Nero Touch screen Processore integrato Tizen 4.0 16/7

**Marchio :** Samsung

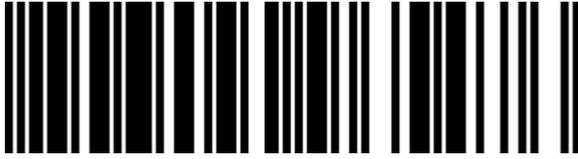**Famiglia del prodotto:** QBR-TM

**Codice prodotto:** LH13QBRTMGCXEN

**Nome del prodotto :** QB13R-TM

Samsung QB13R-TM. Design del prodotto: Pannello piatto interattivo. Dimensioni diagonale schermo: 33 cm (13"), Tecnologia display: LED, Risoluzione del display: 1920 x 1080 Pixel, Luminosità schermo: 500 cd/m², Tipologia HD: Full HD, Touch screen. Wi-Fi. Ore di servizio (ore/giorni): 16/7. Sistema operativo incluso: Tizen 4.0. Colore del prodotto: Nero

## Display

| | |
|---|---|
| Panel type | ADS |
| Display diagonal * | 33 cm (13") |
| Display technology * | LED |
| Display resolution * | 1920 x 1080 pixels |
| Display brightness * | 500 cd/m² |
| HD type * | Full HD |
| Touchscreen * | ✔ |
| Multi-touch | ✔ |
| Response time | 30 ms |
| Contrast ratio (typical) | 600:1 |
| Contrast ratio (dynamic) | 10000:1 |
| Viewing angle, horizontal | 178° |
| Viewing angle, vertical | 178° |
| Pixel pitch | 0.153 x 0.153 mm |
| Horizontal scan range | 30 - 81 kHz |
| Vertical scan range | 48 - 75 Hz |
| Haze rate | 25% |
| Pixel frequency (max) | 594 MHz |
| Colour gamut | 45% |

### Ports & interfaces

| | |
|---|---|
| HDMI ports quantity * | 1 |
| HDMI version | 1.4 |
| HDMI input ports quantity | 1 |
| USB port * | ✔ |
| USB ports quantity | 1 |
| Ethernet LAN * | ✔ |
| Ethernet LAN (RJ-45) ports | 1 |
| Wi-Fi * | ✔ |
| RS-232 interface | ✔ |
| DC-in jack | ✔ |

### Design

| | |
|---|---|
| Product design * | Interactive flat panel |
| Placement supported * | Indoor |
| Product colour * | Black |

## Design

| | |
|---|---|
| Bezel width (top) | 1.31 cm |
| Bezel colour | Charcoal Black |

## Performance

| | |
|---|---|
| Purpose * | Universal |
| Operating hours (hours/days) | 16/7 |
| HDCP | ✔ |
| HDCP version | 2.2 |

## Power

| | |
|---|---|
| Power consumption (typical) * | 27.5 W |
| Power consumption (sleep) | 0.5 W |
| AC input voltage | 100 - 240 V |
| AC input frequency | 50/60 Hz |

## Computer system

| | |
|---|---|
| Computer system * | ✔ |
| Computer system type | System on Chip (SoC) |
| Built-in processor * | ✔ |
| Operating system installed | Tizen 4.0 |

## Weight & dimensions

| | |
|---|---|
| Display width | 322 mm |
| Display depth | 29.8 mm |
| Display height | 193.5 mm |
| Display weight | 1.1 kg |

## Packaging data

| | |
|---|---|
| Package width | 376 mm |
| Package depth | 248 mm |
| Package height | 132 mm |
| Package weight | 2 kg |

## Operational conditions

| | |
|---|---|
| Operating temperature (T-T) | 0 - 40 °C |
| Operating relative humidity (H-H) | 10 - 80% |

## Design

| | |
|---|---|
| Screen shape | Flat |
| VESA mounting * | ✔ |
| Panel mounting interface | 100 x 100 mm |
| Bezel width (bottom) | 1.31 cm |
| Bezel width (side) | 1.31 cm |

## Certificates

| | |
|---|---|
| Certification | Class B 60950-1, 62368-160950-1, 62368-1 |

## Technical details

| | |
|---|---|
| Audio out (mini jack) | 1 |

## Other features

| | |
|---|---|
| Flash memory | 8000 MB |
| RS-232 input ports | 1 |
| RJ-45 input ports | 1 |

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