**SAMSUNG**
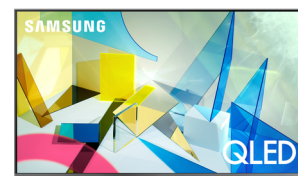
# Samsung Series 8 QE49Q80TAT 124.5 cm (49") 4K Ultra HD Smart TV Wi-Fi Black, Silver

**Brand :** Samsung          **Product family:** Series 8          **Product code:**
                                                                    QE49Q80TATXZT

**Product name :** QE49Q80TAT

49", 3840 x 2160, QLED, PQI 3200, Quantum 4K, Quantum Dot, HDR 10+, Direct Full Array 8x, SmartThings, 40W RMS, Tizen
Samsung Series 8 QE49Q80TAT. Display diagonal: 124.5 cm (49"), Display resolution: 3840 x 2160 pixels, HD type: 4K Ultra HD, Display technology: QLED, Screen shape: Flat. Smart TV. Motion interpolation technology: PQI (Picture Quality Index) 3200, Native aspect ratio: 16:9. Digital signal format system: DVB-C, DVB-S2, DVB-T, DVB-T2. Wi-Fi, Ethernet LAN. Product colour: Black, Silver

## Display

| | |
|---|---|
| Display diagonal * | 124.5 cm (49") |
| HD type * | 4K Ultra HD |
| Display technology * | QLED |
| Screen shape * | Flat |
| Native aspect ratio * | 16:9 |
| Supported video modes | 1080p, 2160p |
| Supported graphics resolutions | 1920 x 1080 (HD 1080), 3840 x 2160 |
| Motion interpolation technology * | PQI (Picture Quality Index) 3200 |
| Display resolution * | 3840 x 2160 pixels |
| Display diagonal (metric) | 123 cm |
| Peak luminance ratio | 71% |

## TV tuner

| | |
|---|---|
| Tuner type * | Analog & digital |
| Digital signal format system * | DVB-C, DVB-S2, DVB-T, DVB-T2 |
| Auto channel search | ✔ |

## Smart TV

| | |
|---|---|
| Smart TV * | ✔ |
| Internet TV * | ✔ |
| Operating system installed * | Tizen |
| Timeshift | ✔ |
| Screen mirroring | ✔ |
| Hybrid Broadcast Broadband TV (HbbTV) | ✔ |
| Hybrid Broadcast Broadband TV (HbbTV) version | 2.01 |
| Smart modes | Movie, Natural |

## Audio

| | |
|---|---|
| RMS rated power * | 40 W |
| Built-in subwoofer | ✔ |
| Audio decoders | Dolby Atmos, Dolby Digital Plus |
| Multiroom | ✔ |
| Multiroom audio technology | Samsung Multiroom Link |

## Ports & interfaces

| | |
|---|---|
| HDMI Quick Switch | ✔ |
| Audio Return Channel (ARC) | ✔ |
| PC in (D-Sub) * | ✘ |
| DVI port | ✘ |
| Ethernet LAN (RJ-45) ports | 1 |
| USB 2.0 ports quantity * | 2 |
| Digital audio optical out | 1 |
| RF ports quantity | 2 |
| Common interface Plus (CI+) * | ✔ |
| Common interface Plus (CI+) version | 1.4 |
| HDMI ports quantity * | 4 |
| Consumer Electronics Control (CEC) | Anynet+ |

## Management features

| | |
|---|---|
| Voice control | ✔ |
| Voice guide | ✔ |
| Electronic Programme Guide (EPG) | ✔ |
| On Screen Display (OSD) | ✔ |
| Picture-in-Picture | ✔ |
| Auto power off | ✔ |
| Works with Amazon Alexa | ✔ |
| Works with the Google Assistant | ✔ |
| Works with Samsung Bixby | ✔ |

## Power

| | |
|---|---|
| Power consumption (typical) * | 124 W |
| Power consumption (standby) * | 0.5 W |
| Power consumption (max) | 215 W |
| Power consumption (PowerSave) | 70 W |
| AC input voltage | 220 - 240 V |
| AC input frequency | 50 - 60 Hz |
| Energy saving mode | ✔ |
| Energy efficiency scale | A+++ to D |

## Network

| | |
|---|---|
| Wi-Fi * | ✔ |
| Wi-Fi standards | Wi-Fi 5 (802.11ac) |
| Bluetooth * | ✔ |
| Bluetooth version | 4.2 |
| Ethernet LAN * | ✔ |
| Wi-Fi Direct | ✔ |
| Web browser | ✔ |

## Design

| | |
|---|---|
| Product colour * | Black, Silver |
| VESA mounting * | ✔ |
| Rollable display | ✘ |

## Performance

| | |
|---|---|
| High Dynamic Range (HDR) technology | High Dynamic Range (HDR) 1000, High Dynamic Range 10+ (HDR10 Plus), Hybrid Log-Gamma (HLG) |
| Game mode | ✔ |
| Teletext function | ✔ |
| Subtitles function | ✔ |
| Ambient light sensor | ✔ |
| Backlight dimming technology | Local Dimming |
| Picture processing technology | Samsung Contrast Enhancer |
| Digital Clean View | ✔ |
| High Dynamic Range (HDR) supported * | ✔ |
| AMD FreeSync | ✔ |
| 4K Ultra HD upscaling | ✔ |
| MBR support | ✔ |
| ConnectShare (HDD) | ✔ |
| ConnectShare (USB) | ✔ |

## Weight & dimensions

| | |
|---|---|
| Width (with stand) | 1094.8 mm |
| Depth (with stand) | 239.8 mm |
| Height (with stand) | 711.4 mm |
| Weight (with stand) | 17.5 kg |
| Width (without stand) | 1094.8 mm |
| Depth (without stand) | 54.9 mm |
| Height (without stand) | 634.4 mm |
| Weight (without stand) | 13.1 kg |
| Stand width | 51 cm |
| Stand depth | 24 cm |

## Packaging data

| | |
|---|---|
| Package width | 1318 mm |
| Package depth | 178 mm |
| Package height | 768 mm |
| Package weight | 22.8 kg |
| Package type | Box |

## Packaging content

| | |
|---|---|
| Desktop stand | ✔ |
| Cables included | AC |
| Remote control included | ✔ |
| Remote control type | TM2050C |
| E-manual | ✔ |

## Other features

| | |
|---|---|
| Quantum dot color technology | ✔ |
| Annual energy consumption | 172 kWh |
| Digital Living Network Alliance (DLNA) certified | ✔ |
| Energy efficiency class (old) | B |

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