SAMSUNG

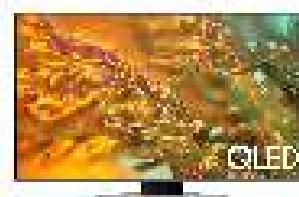# Samsung Q80D QE50Q80DAT 127 cm (50") 4K Ultra HD Smart TV Wi-Fi Silver

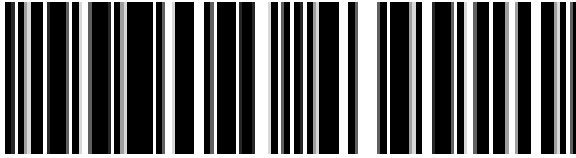**Brand :** Samsung **Product family:** Q80D **Product code:** QE50Q80DATXXH

Product name : QE50Q80DAT

Samsung Q80D QE50Q80DAT. Display diagonal: 127 cm (50"), Display resolution: 3840 x 2160 pixels, HD type: 4K Ultra HD, Display technology: QLED, Screen shape: Flat, LED backlighting type: Direct-LED. Smart TV. Motion interpolation technology: Motion Xcelerator, Native aspect ratio: 16:9. Digital signal format system: DVB-C, DVB-S2, DVB-T2. Wi-Fi, Ethernet LAN. Product colour: Silver

Display

Display diagonal *	127 cm (50")
HD type *	4K Ultra HD
Display technology *	QLED
LED backlighting type	Direct-LED
Screen shape *	Flat
Native aspect ratio *	16:9
Motion interpolation technology *	Motion Xcelerator
Native refresh rate	100 Hz
Display resolution *	3840 x 2160 pixels
Display diagonal (metric)	127 cm

TV tuner

Tuner type *	Analog & digital
Digital signal format system *	DVB-C, DVB-S2, DVB-T2
Number of tuners	2 tuner(s)

Smart TV

Smart TV *	✓
Internet TV *	✓
Operating system installed *	Tizen
Apple AirPlay 2 support	✓
Sound mirroring	✓
Hybrid Broadcast Broadband TV (HbbTV)	✓
Hybrid Broadcast Broadband TV (HbbTV) version	2.0.3
Video apps	Samsung TV Plus

Audio

Number of speakers *	2
RMS rated power *	40 W
Audio output channels	2.2 channels
Audio decoders	Dolby Atmos
Adaptive sound	✓
Active voice amplifier (AVA)	✓
Enhanced Audio Return Channel (eARC)	✓

Performance

High Dynamic Range (HDR) supported *	✓
Game features	Dynamic Black EQ, Game Motion Plus, Gaming Hub, HGiG, Mini Map Zoom, Surround Sound, Variable Refresh Rate (VRR)
4K Ultra HD upscaling	✓
SmartThings app support	✓
Multi View	✓
Smartphone/tablet remote support	✓

Ports & interfaces

PC in (D-Sub) *	✗
Ethernet LAN (RJ-45) ports	1
USB 2.0 ports quantity *	2
Digital audio optical out	1
RF ports quantity	2
RF connector type	F, IEC
Common interface (CI) *	✓
Common interface Plus (CI+) *	✓
Common interface Plus (CI+) version	1.4
HDMI ports quantity *	4
Consumer Electronics Control (CEC)	Anynet+

Management features

Voice guide	✓
Electronic Programme Guide (EPG)	✓
On Screen Display (OSD)	✓
Auto power off	✓

Power

Power consumption (typical) *	69 W
Power consumption (standby) *	0.5 W
Power consumption (max)	220 W
Energy efficiency class (SDR) *	G
Energy efficiency class (HDR) *	G
Energy consumption (SDR) per 1000 hours *	69 kWh

Network

Wi-Fi *	✔
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac)
Bluetooth *	✔
Bluetooth version	5.2
Ethernet LAN *	✔
Web browser	✔

Design

Product colour *	Silver
Colour name	Eclipse Silver
VESA mounting *	✔
Panel mounting interface	200 x 200 mm
Frameless design	✔
Introduction year	2024
Bezel type	3 Bezel-less
Slim fit wall mount support	✔
Stand type	Center stand

Performance

High Dynamic Range (HDR) technology	High Dynamic Range 10+ (HDR10 Plus), Quantum HDR+
Game mode	✔
Ambient mode	Ambient Mode+
Eco sensor	✔
AI Upscale	✔
TV key support	✔
Backlight dimming technology	Supreme UHD Dimming
Picture processing technology	Neural Quantum Processor 4K Gen 2, Samsung Real Depth Enhancer

Power

Energy consumption (HDR) per 1000 hours *	202 kWh
AC input voltage	220 - 240 V
AC input frequency	50/60 Hz
Energy saving mode	✔
Energy efficiency scale	A to G

Brand-specific features

Samsung technologies (AV/TV)	AI Scaling, AMD FreeSync™ Premium Pro, Active Voice Amplifier, Adaptive Sound Pro, AirPlay 2, Ambient Mode+, Built-in SmartThings Hub, Direct Full Array, Dolby Atmos®, Gaming Hub, HDMI eARC, HDR10+, Motion Xcelerator, Object Tracking Sound Lite, Q-Symphony, Quantum Dot Display, Quantum HDR+, Samsung Health, Samsung Multi View, Samsung TV Plus, Slim Fit Wall-Mount, Slim Wall Mount Kit Included, Smart Calibration, Smart TV powered by Tizen, Super Ultrawide GameView, Supreme UHD Dimming, Wide Viewing Angle, Works With Amazon Alexa

Weight & dimensions

Width (with stand)	1114.2 mm
Depth (with stand)	237 mm
Height (with stand)	705.9 mm
Weight (with stand)	18.2 kg
Width (without stand)	1114.2 mm
Depth (without stand)	47.8 mm
Height (without stand)	643.6 mm
Weight (without stand)	13.6 kg

Packaging data

Package width	1296 mm
Package depth	164 mm
Package height	761 mm
Package weight	22.1 kg

Packaging content

Mounting kit	✔
Remote control included	✔

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