

Samsung GQ50QN90FAT 127 cm (50") 4K Ultra HD Smart TV Wi-Fi Black

Brand : Samsung

Product code: GQ50QN90FATXZG

Product name : GQ50QN90FAT

Samsung GQ50QN90FAT. Display diagonal: 127 cm (50"), Display resolution: 3840 x 2160 pixels, HD type: 4K Ultra HD, Display technology: Neo QLED, Screen shape: Flat. 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: Black



Display		Performance	
Display diagonal *	127 cm (50")	AMD FreeSync	✓
HD type *	4K Ultra HD	AMD FreeSync type	FreeSync Premium Pro
Display technology *	Neo QLED		Auto Low Latency Mode (ALLM),
Screen shape *	Flat		Dynamic Black EQ, Game Bar,
Native aspect ratio *	16:9	Game features	Game Motion Plus, Gaming Hub,
Motion interpolation technology *	Motion Xcelerator		HGiG, Mini Map Zoom, Surround Sound
Native refresh rate	120 Hz	SmartThings app support	✓
Display refresh rates supported	165 Hz	Adaptive picture	✓
Display number of colours	1 billion colours	Multi View	✓
Viewing angle, horizontal	178°	TV sound to mobile device	✓
Viewing angle, vertical	178°	USB recording	✓
Display resolution *	3840 x 2160 pixels	ConnectShare (HDD)	✓
Display diagonal (metric)	125 cm	ConnectShare (USB)	✓
Anti-glare screen	✓		
TV tuner		Ports & interfaces	
Tuner type *	Analog & digital	PC in (D-Sub) *	✗
Digital signal format system *	DVB-C, DVB-S2, DVB-T2	Ethernet LAN (RJ-45) ports	1
Number of tuners	2 tuner(s)	USB 2.0 ports quantity *	2
Auto channel search	✓	Digital audio optical out	1
Smart TV		RF ports quantity	4
Smart TV *	✓	Common interface (CI) *	✓
Internet TV *	✓	Common interface Plus (CI+) *	✓
Operating system installed *	Tizen	Common interface Plus (CI+) version	1.4
Apple AirPlay 2 support	✓	HDMI ports quantity *	4
Sound mirroring	✓	Consumer Electronics Control (CEC)	Anynet+
Hybrid Broadcast Broadband TV (HbbTV)	✓	Management features	
Far-field voice interaction	✓	Voice guide	✓
Universal guide	✓	Electronic Programme Guide (EPG)	✓
Audio		On Screen Display (OSD)	✓
Number of speakers *	2	Auto power off	✓
RMS rated power *	40 W	Works with Amazon Alexa	✓
Audio decoders	Dolby Atmos	Works with the Google Assistant	✓

Audio		Management features	
Sound modes	AI Sound	Works with Samsung Bixby	✔
Audio pre-selection descriptor	✔	Power	
Active voice amplifier (AVA)	✔	Power consumption (typical) *	60 W
Multiroom	✔	Power consumption (standby) *	0.5 W
Multiroom audio technology	Samsung Multiroom Link	Energy efficiency class (SDR) *	F
Enhanced Audio Return Channel (eARC)	✔	Energy efficiency class (HDR) *	G
Network		Energy consumption (SDR) per 1000 hours *	60 kWh
Wi-Fi *	✔	Energy consumption (HDR) per 1000 hours *	124 kWh
Wi-Fi standards	Wi-Fi 5 (802.11ac)	AC input voltage	220-240 V
Bluetooth *	✔	AC input frequency	50/60 Hz
Bluetooth version	5.3	Energy saving mode	✔
Ethernet LAN *	✔	Energy efficiency scale	A to G
Web browser	✔	Brand-specific features	
Design		Samsung technologies (AV/TV)	4K AI Upscaling Pro, AI Auto Game Mode, AI Motion Enhancer Pro, Active Voice Amplifier Pro, Adaptive Sound Pro, Auto HDR Remastering Pro, Karaoke Mode, NeoSlim Design, Object Tracking Sound Lite, Q-Symphony, Quantum Matrix Technology Plus, Samsung TV Plus, Smart Calibration, Wide Viewing Angle
Product colour *	Black		
VESA mounting *	✔		
Panel mounting interface	200 x 200 mm		
Frameless design	✔		
Introduction year	2025		
Bezel type	3 Bezel-less		
Stand type	Hexagon stand	Technical details	
Stand colour	Black	Processor	NQ4 AI Gen3
Performance		Weight & dimensions	
High Dynamic Range (HDR) technology	High Dynamic Range 10+ Adaptive (HDR10 Plus Adaptive), High Dynamic Range 10+ Gaming (HDR10 Plus Gaming), Hybrid Log-Gamma (HLG), Neo Quantum HDR	Width (with stand)	1113.6 mm
		Depth (with stand)	220 mm
Game mode	✔	Height (with stand)	705.4 mm
Teletext function	✔	Weight (with stand)	17.6 kg
Subtitles function	✔	Width (without stand)	1113.6 mm
Eco sensor	✔	Depth (without stand)	26.9 mm
AI Upscale	✔	Height (without stand)	644.1 mm
TV key support	✔	Weight (without stand)	13.5 kg
Backlight dimming technology	Ultimate UHD Dimming	Stand width	51.9 cm
Picture processing technology	Samsung Real Depth Enhancer Pro	Stand depth	22 cm
High Dynamic Range (HDR) supported *	✔	Packaging data	
		Package width	1317 mm
		Package depth	140 mm
		Package height	767 mm
		Package weight	22.5 kg
		Packaging content	
		Desktop stand	✔
		Cables included	AC
		Remote control included	✔
		Remote control type	Premium Solar Smart Remote



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