SAMSUNG

Samsung QN90F QE98QN90FAT 2.49 m (98") 4K Ultra HD Smart TV Wi-Fi Black, Titanium

Brand : Samsung

Product family: QN90F

Product code: QE98QN90FATXXH

Product name : QE98QN90FAT

Samsung QN90F QE98QN90FAT. Display diagonal: 2.49 m (98"), 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-S2, DVB-T2. Wi-Fi, Ethernet LAN. Product colour: Black, Titanium

Display	
Display diagonal *	2.49 m (98")
HD type *	4K Ultra HD
Display technology *	Neo QLED
Screen shape *	Flat
Native aspect ratio *	16:9
Motion interpolation technology *	Motion Xcelerator
Native refresh rate	120 Hz
Display refresh rates supported	120 Hz, 165 Hz
Dynamic contrast ratio marketing name	Quantum Matrix Technology Plus
Display resolution *	3840 x 2160 pixels
Display diagonal (metric)	247 cm

TV tuner	
Tuner type *	Analog & digital
Digital signal format system *	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	✔
TV initiate mirroring	✔

Audio	
RMS rated power *	60 W
Audio output channels	4.2.2 channels
Audio decoders	Dolby Atmos
Sound modes	Adaptive Sound Pro
Audio pre-selection descriptor	✔
Object Tracking Sound+ (OTS+)	✔
Active voice amplifier (AVA)	✔

Performance	
AMD FreeSync	✔
AMD FreeSync type	FreeSync Premium Pro
Game features	Auto Low Latency Mode (ALLM), Dynamic Black EQ, Game Motion Plus, Gaming Hub, HGiG, Mini Map Zoom, Super Ultra Wide Game View, Surround Sound, Variable Refresh Rate (VRR)
Tap view	✔
Multi View	✔

Ports & interfaces	
Ethernet LAN (RJ-45) ports	1
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
RF ports quantity	4
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	
Electronic Programme Guide (EPG)	✔
On Screen Display (OSD)	✔
Number of OSD languages	27
Auto power off	✔
Works with Samsung Bixby	✔

Power	
Power consumption (typical) *	152 W
Power consumption (standby) *	0.5 W
Power consumption (max)	475 W
Energy efficiency class (SDR) *	E

Audio	
Enhanced Audio Return Channel (eARC)	✔

Network	
Wi-Fi *	✔
Wi-Fi standards	Wi-Fi 5 (802.11ac)
Bluetooth *	✔
Bluetooth version	5.3
Ethernet LAN *	✔
Web browser	✔

Design	
Product colour *	Black, Titanium
VESA mounting *	✔
Panel mounting interface	600 x 400 mm
Frameless design	✔
Introduction year	2025

Performance	
High Dynamic Range (HDR) technology	High Dynamic Range 10+ Adaptive (HDR10 Plus Adaptive), High Dynamic Range 10+ Gaming (HDR10 Plus Gaming), Neo Quantum HDR+
Eco sensor	✔
AI Upscale	✔
TV key support	✔
Backlight dimming technology	Ultimate UHD Dimming
Picture processing technology	Samsung Real Depth Enhancer Pro
Picture processor	NQ4 AI Gen3
High Dynamic Range (HDR) supported *	✔

Power	
Energy efficiency class (HDR) *	G
Energy consumption (SDR) per 1000 hours *	152 kWh
Energy consumption (HDR) per 1000 hours *	317 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)	4K AI Upscaling Pro, AI Motion Enhancer Pro, Auto HDR Remastering Pro, EyeComfort Mode, NQ4 AI Gen3 Processor, Q-Symphony, Samsung Health, Samsung TV Plus, Supersize Picture Enhancer, Wide Viewing Angle

Weight & dimensions	
Width (with stand)	2185.1 mm
Depth (with stand)	364.9 mm
Height (with stand)	1305.9 mm
Weight (with stand)	70.6 kg
Width (without stand)	2185.1 mm
Depth (without stand)	31.1 mm
Height (without stand)	1249.3 mm
Weight (without stand)	61.4 kg
Stand width	47.9 cm
Stand depth	36.5 cm

Packaging data	
Package width	2370 mm
Package depth	275 mm
Package height	1420 mm
Package weight	90.7 kg
Package type	Box

Packaging content	
Remote control included	✔
Remote control type	TM2360E

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