

Samsung QE65QN90FATXXU TV 165.1 cm (65") 4K Ultra HD Smart TV Wi-Fi Black

Brand : Samsung
Product code: QE65QN90FATXXU
Product name : QE65QN90FATXXU

- 4K AI Upscaling Pro & NQ4 AI Gen3 Processor¹: Our best 4K AI processor optimises picture and sound for our ultimate 4K viewing
 - Neo Quantum HDR+ with Mini LEDs, now Glare Free⁵: See every detail with bright whites, deep blacks and stunning contrast - glare free
 - AI Motion Enhancer Pro and Motion Xcelerator 165Hz¹²: AI delivers ultra-smooth motion and virtually no lag or blur for sports and gaming
 - Dolby Atmos® with Object Tracking Sound+: Get wrapped up in 8-speaker sound that moves with the action
 - Quantum Matrix Technology Plus: Don't miss a thing with Mini LED technology for a brighter, better picture
- 65" Neo QLED QN90F 4K Vision AI Smart TV (2025)
Samsung QE65QN90FATXXU. Display diagonal: 165.1 cm (65"), 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. Wi-Fi, Ethernet LAN. Product colour: Black



Display		Ports & interfaces	
Display diagonal *	165.1 cm (65")	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
HD type *	4K Ultra HD	Digital audio optical out	1
Display technology *	Neo QLED	RF ports quantity	1
Screen shape *	Flat	Common interface (CI) *	✓
Motion interpolation technology *	Motion Xcelerator	Common interface Plus (CI+) *	✓
Native refresh rate	120 Hz	HDMI ports quantity *	4
Display refresh rates supported	165 Hz	Consumer Electronics Control (CEC)	Anynet+
Display resolution *	3840 x 2160 pixels	Management features	
Anti-glare screen	✓	Voice control	✓
TV tuner		Electronic Programme Guide (EPG)	✓
Tuner type *	Analog & digital	Auto power off	✓
Smart TV		Works with Amazon Alexa	✓
Smart TV *	✓	Works with the Google Assistant	✓
Internet TV *	✓	Works with Samsung Bixby	✓
Operating system installed *	Tizen	Power	
Operating system version	Tizen	Power consumption (typical) *	89 W
Screen mirroring	✓	Power consumption (standby) *	0.5 W
Apple AirPlay 2 support	✓	Power consumption (max)	270 W
Far-field voice interaction	✓	Energy efficiency class (SDR) *	F
Video apps	Samsung TV Plus	Energy efficiency class (HDR) *	G
Audio		Energy consumption (SDR) per 1000 hours *	89 kWh
RMS rated power *	60 W	Energy consumption (HDR) per 1000 hours *	231 kWh
Audio output channels	4.2.2 channels	Energy saving mode	✓
Sound modes	Adaptive Sound Pro, Surround		
Audio pre-selection descriptor	✓		
Adaptive sound	✓		

Audio		Brand-specific features	
Q-Symphony	✓	Samsung technologies (AV/TV)	4K AI Upscaling Pro, AI Auto Game Mode, AI Customisation Mode, AI Energy Mode, AI Mode, AI Motion Enhancer Pro, AI Sound Pro, Auto Game Mode (ALLM), Auto HDR Remastering Pro, Colour Booster Pro, Dolby Atmos®, FreeSync Premium Pro, Game Bar, Gaming Hub, Motion Xcelerator 165Hz, Multiple Voice Assistants, NQ4 AI Gen3 Processor, Neo Quantum HDR+, NeoSlim Design, Object Tracking Sound PLUS, PANTONE Validated, Quantum Matrix Technology Plus, Real Depth Enhancer Pro, Samsung Health, Samsung Knox Security, Samsung Multi View, Samsung Q-Symphony, Samsung TV Plus, Slim Fit Wall-Mount Compatible, Smart TV powered by Tizen, SmartThings, SmartThings Calibration Pro, SolarCell Remote, Supersize Picture Enhancer
Active voice amplifier (AVA)	✓		
Enhanced Audio Return Channel (eARC)	✓		
Audio system	Dolby Atmos		
Network			
Wi-Fi *	✓		
Bluetooth *	✓		
Bluetooth version	5.3		
Ethernet LAN *	✓		
Miracast	✗		
Design		Technical details	Dolby Atmos, Q-Symphony, OTS+, Surround, 360 Audio, Adaptive Sound Pro, Active Voice Amplifier Pro
Product colour *	Black		
Colour name	Titan Black		
VESA mounting *	✓		
Panel mounting interface	400 x 300 mm		
Introduction year	2025		
Bezel type	4 Bezel-less	Sound technology	
Mini wall mount support	✓		
Stand type	Hexagon stand		
Stand colour	Black		
Performance		Processor	NQ4 AI Gen3 Processor
High Dynamic Range (HDR) technology	HDR 10+, High Dynamic Range 10+ Adaptive (HDR10 Plus Adaptive), High Dynamic Range 10+ Gaming (HDR10 Plus Gaming), Neo Quantum HDR+	Weight & dimensions	
		Width (with stand)	1446.3 mm
		Depth (with stand)	270.6 mm
		Height (with stand)	891.3 mm
		Weight (with stand)	27.5 kg
Game mode	✓	Width (without stand)	1446.3 mm
Subtitles function	✓	Depth (without stand)	26.9 mm
High Dynamic Range (HDR) supported *	✓	Height (without stand)	828.7 mm
AMD FreeSync	✓	Weight (without stand)	24.2 kg
Game features	Auto Low Latency Mode (ALLM), Game Bar, Game Motion Plus, Gaming Hub, HGiG, Mini Map Zoom, Super Ultra Wide Game View, Surround Sound, Variable Refresh Rate (VRR)	Packaging data	
		Manual	✓
		Package weight	33.6 kg
		Package width	1622 mm
		Package depth	185 mm
4K Ultra HD upscaling	✓	Package height	935 mm
Auto standby	✓	Package weight	33.6 kg
SmartThings app support	✓	Packaging content	
Ports & interfaces		Cables included	AC
Audio Return Channel (ARC)	✓	Remote control included	✓
Ethernet LAN (RJ-45) ports	1	Remote control type	TM2360E (UK, Italia add TM1240A)
		Smart Remote included	✓
		Other features	
		Annual energy consumption	123 kWh
		Aerial input	DVB-T2CS2 x2
		HDMI	✓
		Country of origin	Slovakia
		Mains power	✓
		Stand	SHARP NECK HEXAGON

Other features

Brand-specific features

NQ4 AI Gen3 Processor, 4K AI Upscaling Pro, Glare Free, Neo Quantum HDR+, Quantum Matrix Technology Plus, Dolby Atmos® (virtual), NeoSlim Design, AI Motion Enhancer Pro, Object Tracking Sound+, Smart TV powered by Tizen OS*, Gaming Hub, Samsung TV Plus, AI Sound Pro, Motion Xcelerator 165Hz, PANTONE Validated, Samsung Q-Symphony, Samsung Knox Security, SmartThings, Colour Booster Pro, Real Depth Enhancer Pro, Auto HDR Remastering Pro, Supersize Picture Enhancer, AI Auto Game Mode, Game Bar, AI Mode, AI Customisation Mode, SolarCell Remote, Slim Fit Wall-Mount Compatible, FreeSync Premium Pro, SmartThings Calibration Pro, Auto Game Mode (ALLM), AI Energy Mode, Multi View, Multiple Voice Assistants, Samsung Health*



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Catalog Object Cloud



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