

Samsung QE85QN80FAU 2.16 m (85") 4K Ultra HD Smart TV Wi-Fi Grey

Brand : Samsung

Product code: QE85QN80FAUXXH

Product name : QE85QN80FAU



Samsung QE85QN80FAU. Display diagonal: 2.16 m (85"), Display resolution: 3840 x 2160 pixels, HD type: 4K Ultra HD, Display technology: Neo QLED, Screen shape: Flat, LED backlighting type: Mini 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: Grey

Display		Performance	
Display diagonal *	2.16 m (85")	Tap view	✓
HD type *	4K Ultra HD	Multi View	✓
Display technology *	Neo QLED	TV sound to mobile device	✓
LED backlighting type	Mini LED	Smartphone/tablet remote support	✓
Screen shape *	Flat	USB recording	✓
Native aspect ratio *	16:9		
Motion interpolation technology *	Motion Xcelerator		
Native refresh rate	100 Hz		
Display refresh rates supported	100 Hz, 144 Hz		
Display resolution *	3840 x 2160 pixels		
Display diagonal (metric)	214 cm		
TV tuner		Ports & interfaces	
Tuner type *	Analog & digital	Audio Return Channel (ARC)	✓
Digital signal format system *	DVB-C, DVB-S2, DVB-T2	PC in (D-Sub) *	✗
Auto channel search	✓	Ethernet LAN (RJ-45) ports	1
		USB 2.0 ports quantity *	2
		Digital audio optical out	1
		RF ports quantity	3
		Common interface (CI) *	✓
		Common interface Plus (CI+) *	✓
		Common interface Plus (CI+) version	1.4
		HDMI ports quantity *	4
		Consumer Electronics Control (CEC)	Anynet+
Smart TV		Management features	
Smart TV *	✓	Voice guide	✓
Internet TV *	✓	Electronic Programme Guide (EPG)	✓
Operating system installed *	Tizen	On Screen Display (OSD)	✓
Apple AirPlay 2 support	✓	Number of OSD languages	28
Sound mirroring	✓	Auto power off	✓
Hybrid Broadcast Broadband TV (HbbTV)	✓	Works with Amazon Alexa	✓
Hybrid Broadcast Broadband TV (HbbTV) version	2.0.3	Works with the Google Assistant	✓
Far-field voice interaction	✓	Works with Samsung Bixby	✓
TV initiate mirroring	✓		
Universal guide	✓		
Audio		Power	
RMS rated power *	30 W	Power consumption (typical) *	155 W
Audio output channels	4.0 channels	Power consumption (standby) *	0.5 W
Audio decoders	Dolby Atmos	Power consumption (max)	405 W
Audio pre-selection descriptor	✓	Energy efficiency class (SDR) *	F

Audio		Power	
Enhanced Audio Return Channel (eARC)	✓	Energy efficiency class (HDR) *	G
Network		Energy consumption (SDR) per 1000 hours *	155 kWh
Wi-Fi *	✓	Energy consumption (HDR) per 1000 hours *	404 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			4K AI Upscaling, AI Auto Game Mode, Active Voice Amplifier Pro, Adaptive Sound Pro, Auto HDR Remastering, EyeComfort Mode, Karaoke Mode, NQ4 AI Gen2 Processor, Object Tracking Sound Lite, Q-Symphony, Quantum Matrix Technology, Quantum Matrix Technology Core, Samsung TV Plus, Smart Calibration, Wide Viewing Angle
Product colour *	Grey	Samsung technologies (AV/TV)	
VESA mounting *	✓		
Panel mounting interface	600 x 400 mm		
Introduction year	2025		
Bezel type	3 Bezel-less		
Stand type	Center stand		
Performance			
High Dynamic Range (HDR) technology	Filmmaker Mode, High Dynamic Range 10+ Adaptive (HDR10 Plus Adaptive), Hybrid Log-Gamma (HLG), Neo Quantum HDR	Weight & dimensions	
Game mode	✓	Width (with stand)	1892.8 mm
Eco sensor	✓	Depth (with stand)	366.5 mm
AI Upscale	✓	Height (with stand)	1137.7 mm
TV key support	✓	Weight (with stand)	42.2 kg
Backlight dimming technology	Ultimate UHD Dimming	Width (without stand)	1892.8 mm
Picture processing technology	Samsung Real Depth Enhancer	Depth (without stand)	48.2 mm
Picture processor	NQ4 AI Gen2	Height (without stand)	1082.8 mm
High Dynamic Range (HDR) supported *	✓	Weight (without stand)	40.6 kg
AMD FreeSync	✓	Stand width	37.5 cm
AMD FreeSync type	FreeSync Premium Pro	Stand depth	36.6 cm
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)	Packaging data	
		Package width	2056 mm
		Package depth	178 mm
		Package height	1200 mm
SmartThings app support	✓	Package weight	54.1 kg
		Packaging content	
		Desktop stand	✓
		Cables included	AC
		Remote control included	✓
		Remote control type	TM2560E



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