

Samsung QE43QN90FATXXU TV 109.2 cm (43") 4K Ultra HD Smart TV Wi-Fi Black

Brand : Samsung
Product code: QE43QN90FATXXU
Product name : QE43QN90FATXXU

- 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 Lite: Immersive surround sound that flows with every action
 - Quantum Matrix Technology Plus: Don't miss a thing with Mini LED technology for a brighter, better picture
- 43" Neo QLED QN90F 4K Vision AI Smart TV (2025)
Samsung QE43QN90FATXXU. Display diagonal: 109.2 cm (43"), 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 * | 109.2 cm (43") | 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) * | 50 W |
| Screen mirroring | ✓ | Power consumption (standby) * | 0.5 W |
| Apple AirPlay 2 support | ✓ | Power consumption (max) | 145 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 * | 50 kWh |
| RMS rated power * | 20 W | Energy consumption (HDR) per 1000 hours * | 102 kWh |
| Audio output channels | 2.0 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 Lite, 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 | | | |
| Product colour * | Black | | |
| Colour name | Titan Black | | |
| VESA mounting * | ✓ | | |
| Panel mounting interface | 200 x 200 mm | | |
| Introduction year | 2025 | Technical details | |
| Bezel type | 3 Bezel-less | | |
| Mini wall mount support | ✓ | Sound technology | Dolby Atmos, Q-Symphony, OTS Lite, Surround, 360 Audio, Adaptive Sound Pro |
| Stand type | Hexagon stand | Processor | NQ4 AI Gen3 Processor |
| Stand colour | Black | Weight & dimensions | |
| Performance | | Width (with stand) | 960.8 mm |
| High Dynamic Range (HDR) technology | HDR 10+, Neo Quantum HDR | Depth (with stand) | 220 mm |
| Game mode | ✓ | Height (with stand) | 619.9 mm |
| Subtitles function | ✓ | Weight (with stand) | 13.4 kg |
| High Dynamic Range (HDR) supported * | ✓ | Width (without stand) | 960.8 mm |
| AMD FreeSync | ✓ | Depth (without stand) | 26.9 mm |
| 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) | Height (without stand) | 558.9 mm |
| | | Weight (without stand) | 9.4 kg |
| | | Packaging data | |
| | | Manual | ✓ |
| | | Package weight | 16.9 kg |
| 4K Ultra HD upscaling | ✓ | Package width | 1164 mm |
| Auto standby | ✓ | Package depth | 140 mm |
| SmartThings app support | ✓ | Package height | 667 mm |
| | | Package weight | 16.9 kg |
| Ports & interfaces | | Packaging content | |
| Audio Return Channel (ARC) | ✓ | Cables included | AC |
| Ethernet LAN (RJ-45) ports | 1 | Remote control included | ✓ |
| | | Remote control type | TM2360E (UK, Italia add TM1240A) |
| | | Smart Remote included | ✓ |
| | | Other features | |
| | | Annual energy consumption | 69 kWh |
| | | Aerial input | DVB-T2CS2 x2 |
| | | HDMI | ✓ |
| | | Country of origin | Hungary |
| | | 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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