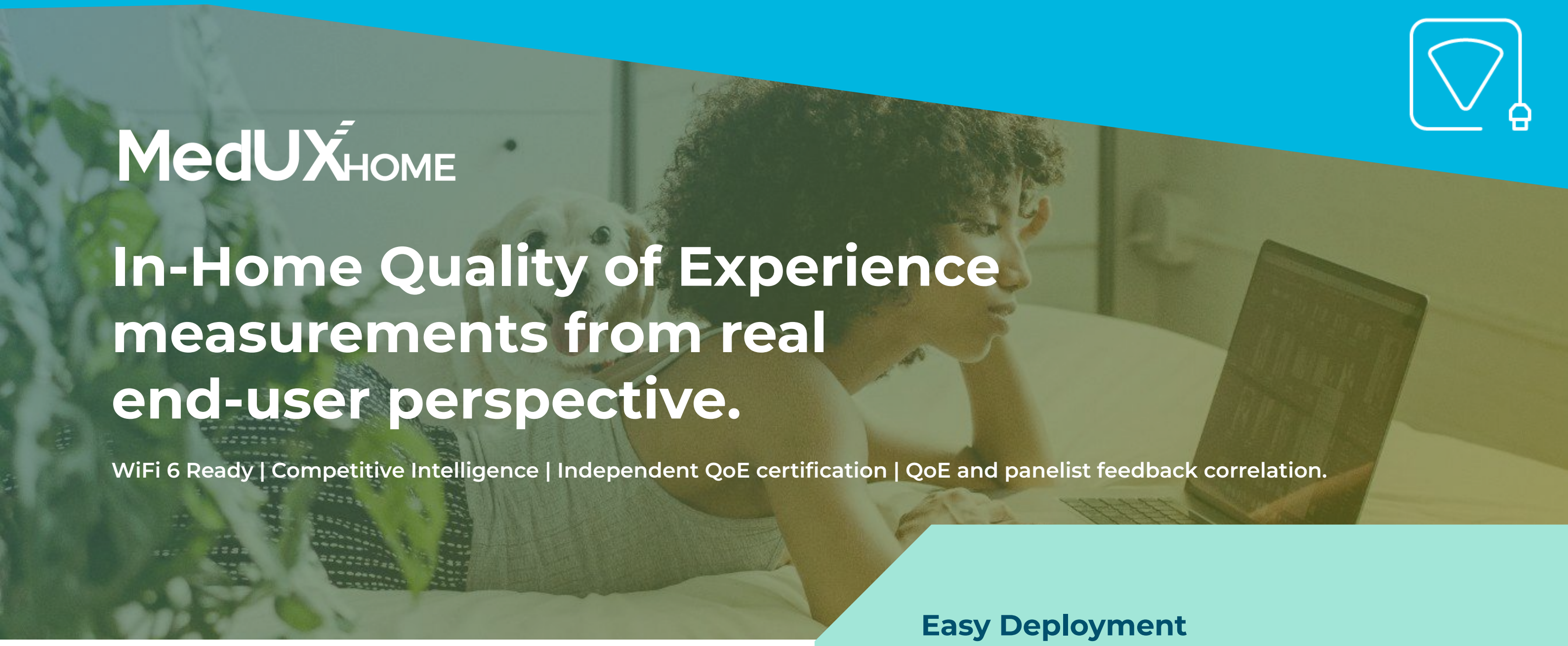


MedUX HOME

In-Home Quality of Experience measurements from real end-user perspective.

WiFi 6 Ready | Competitive Intelligence | Independent QoE certification | QoE and panelist feedback correlation.

Fixed Network Quality of Experience

+5000 MedUX Robots deployed worldwide.

MedUX Home helps identify and resolve end-to-end **fixed broadband network** and service quality issues adding competitive intelligence insights from benchmarks. Our QoE based indicators **nurtured by panelist feedback** allow us to provide **independent Quality of Experience** certifications.

Easy Deployment

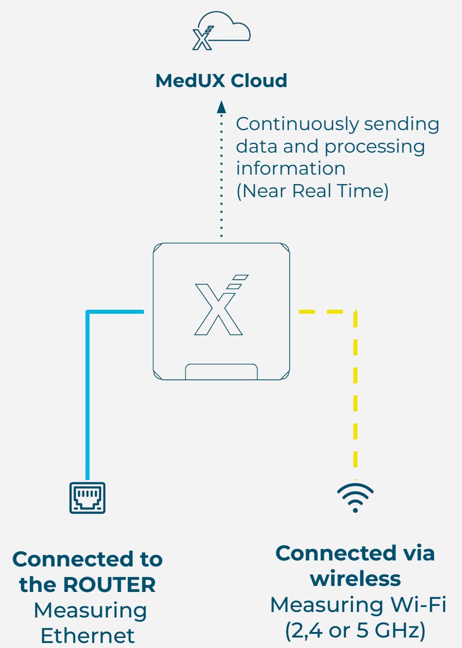
MedUX Home plug and play installation makes its deployment straightforward.

Unattended Testing

MedUX Home will perform tests according to the scheduled test protocol, although the test suite is fully customizable.

Real time date

MedUX Home collected data is available from the initial connection moment thanks to our cloud processing model.



Device Key Features

Proprietary Android-based Device
Smart, simple and non-intrusive, based on the main used OS

Centralized control through Web Portal
Centralized configuration and operation through MedUX Analytics Portal

Real Time results visualization
From the initial connection moment, thanks to our in-cloud processing model.

Real User Experience Measurement
Simulating the real user behavior with its own device

100% Plug & Play
Just connect to the AC power and the Ethernet port to start measurements

Adaptive and configurable test suite
Depending on customer needs and providing more than 400 QoS/QoE indicators

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www.medux.com

Technical Specifications

	 MedUX Home V3	 MedUX Home 2.5GbE
CPU	Amlogic S905X3 64-bit quad core ARM® Cortex™ A55	Rockchip RK3588 Quad-core ARM Cortex-A76(up to 2.4GHz) and quad-core Cortex-A55 CPU (up to 1.8GHz)
Memory	4GB RAM DDR4, 32GB eMMC 5.1 JEDEC standard NAND memory	64-bit 8GB LPDDR4X at 2133MHz
Ethernet	Ethernet controller Realtek RTL8211F-CG 10/100/1000M	Realtek RTL8125BG 10/100/1000M/2.5GB
WiFi 6	Ampak AP6275P 802.11 a / b / g / n / ac / ax, 2.4GHz band + 5GHz band, 2x2 MIMO, OFDM / OFDMA modulation: PSK, QPSK, 16-QAM, 64-QAM,256-QAM, 1024-QAM Antenna type: PIFA Number of antennas: 2	Realtek RTL8822CE 802.11 a / b / g / n / ac, 2.4GHz band + 5GHz band, 2x2 MIMO, OFDM modulation: PSK, QPSK, 16-QAM, 64-QAM,256-QAM Antenna type: Omnidirectional Number of antennas: 2

Tests suite

Service Availability	Echo request to the CPE, Google DNS and Google.com based on ICMP.
Cloud DL	Multithread download based on public CDNs or dedicated servers.
Cloud UL	Multithread upload based on dedicated servers.
Latency	Echo request to a specific IP or URL based on ICMP, TCP, URL or TWAMP.
HTTP/FTP DL	Single-thread download based on dedicated servers (Fixed file size or Burst)
HTTP/FTP UL	Single-thread upload based on dedicated servers (Fixed file size or Burst)
Traceroute	Echo request to each node on the route from the probe to a target
DNS	Resolution of an URL given (configurable DNS Server)
VoIP	SIP Call based on a specific platform.
Facebook	Multithread download based on public CDNs or dedicated servers.
Streaming	Video playback based on player that supports VoD, Live Streaming and IPTV.
Dropbox	Single-thread download from a file hosted in Dropbox.
Gaming	Echo request to gaming servers based on ICMP, TCP, URL or TWAMP.
Web Browsing	Navigation of any website based on Chrome browser.

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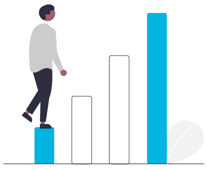
Use cases



Benchmarking

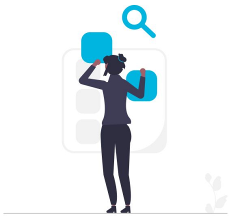
Helping operators to understand what's their position in the market, where are they heading and what should they keep track off to become number one.

- **Competitive intelligence**
- **Live Monitoring**
- **QoE Ranking**

Grand scale Monitoring

MedUX's Grand Scale Quality monitoring solution enables operators and regulators to gain valuable insights into users' everyday internet habits, whether at home or on the go.

- **Wide Network Monitoring**
- **Technology & Spectrum Analysis**
- **OTT & Digital Services Insights**



Anomaly Detection

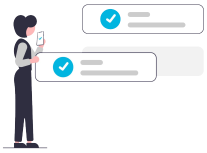
Our Anomaly Detection solution helps operators to automate the Quality of Service and Quality monitoring process that requires speed and agility.

- **Smart Insights**
- **Interactive Dashboard**
- **Alerts**

In-Home Performance

Helping operators to make sure that both Ethernet and Wi-Fi connectivity work seamlessly in an environment that is not easy to control.

- **Ethernet vs WiFi**
- **Radio analysis**
- **In-Home coverage**



CPE Performance

Assisting operators to ensure the quality offered with the deployed in-home devices such as CPEs or extenders.

- **CPE Benchmark**
- **FW Validation**
- **Ethernet vs WiFi**

Wholesale control

See and control everything affecting the quality of your services, including how traffic flows and services perform as they traverse the wholesale network.

- **Wholesaled Benchmark**
- **QoS/QoE insights**
- **SLAs & Reporting**

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