



MAG520w3 and MAG522w1/w3 are fully compatible with the MAG JS API

## Modifications

**MAG520w3** – 2T2R 802.11 a/b/g/n/ac

**MAG522w1** – 1T1R 802.11 b/g/n;  
**MAG522w3** – 2T2R 802.11 a/b/g/n/ac

## Dimensions

Width/depth/height 120 × 78 × 21 mm

132 × 87 × 26 mm

Weight 110 g

125 g

## Hardware

Chipset Amlogic S905X2

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Processor ARM Cortex-A53 Quad Core CPU 1900 MHz

ARM Cortex-A53 Quad Core CPU 1900 MHz

DMIPS 18 400

18 400

GPU performance 2.6 Gpx/s

2.6 Gpx/s

RAM 1 GB

1 GB (optional 2 GB in MAG522w3)

Flash 4 GB eMMC

512 MB NAND

## Software

OS Linux 4.9

Linux 4.9

## Interfaces

USB USB 2.0 × 1, USB 3.0 × 1

USB 2.0 × 1

Ethernet 100 Mbps

100 Mbps

IR +

+

HDMI 2.1

2.1

## Sources of media content

PC and NAS in local network, stream media protocols (RTSP, RTP, UDP, IGMP, HTTP), USB-devices

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## Video and audio

OpenGL OpenGL ES 3.2, Vulkan 1.0 и OpenCL 2.0

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3D TV MVC, SVC

MVC, SVC

Video modes 2160p, 1080i, 1080p, 720p, 576p, NTSC, PAL

2160p, 1080i, 1080p, 720p, 576p, NTSC, PAL

Video containers TS, AVI, MPEG, MP4, MOV, MKV, M2TS, VOB

TS, AVI, MPEG, MP4, MOV, MKV, M2TS, VOB

Video codecs MPEG1/2, MPEG4, H.265/HEVC, H.264 AVC, XviD, 3D video support

MPEG1/2, MPEG4, H.265/HEVC, H.264 AVC, XviD, 3D video support

Video decoding H.265/HEVC support (optional)

H.265/HEVC support (optional)

Audio codecs MPEG L1/L2/L3, AAC-LC, HE AAC V1/V2, APE, FLAC

MPEG L1/L2/L3, AAC-LC, HE AAC V1/V2, APE, FLAC

Audio decoding Dolby Digital Plus™

Dolby Digital Plus™

Subtitles DVB, PGS, SRT, SSA/ASS, SUB, teletext subs, WebVtt, closed captions

DVB, PGS, SRT, SSA/ASS, SUB, teletext subs, WebVtt, closed captions

Image formats JPEG, PNG, BMP, RAW

JPEG, PNG, BMP, RAW

Playlist formats M3U, M3U8, PLS, CUE

M3U, M3U8, PLS, CUE

## Power consumption

5 W

5 W

## Standard set

- MAG520w3 set-top box
- Remote control, 2 AAA batteries
- HDMI cable
- Power adapter 5 V 2 A
- Instruction manual, packaging

- MAG522w1/MAG522w3 set-top box
- Remote control, 2 AAA batteries
- HDMI cable
- Power adapter 12 V 1 A
- Instruction manual, packaging