

# MAG520

# MAG520 W3

4K SET-TOP BOX WITH HEVC SUPPORT



**MAG520** and **MAG520w3** are powerful Linux set-top boxes for modern IPTV/OTT projects. Compared to their predecessor, these STBs feature twice the amount of RAM and eight times more storage. The ARM Cortex-A53 processor on the Amlogic S905X2 chipset is 25% faster and has a better GPU, so the devices easily play 4K content at 60 fps. Thanks to Dolby Digital Plus™ support users will be able to enjoy pure eight-channel surround sound.

Upon request, we can easily integrate the MAG520 and MAG520w3 with different middleware and DRM/CAS solutions. Devices are equipped with 2 USB inputs for peripherals connection, and built-in Wi-Fi 2.4 and 5 GHz adapter (for MAG520w3). Thanks to our API migration from older MAG STBs takes only a few lines of code.

## KEY FEATURES



4K and HEVC Support



4x ARM Cortex-A53



Qubic casing



1 GB RAM / 4 GB eMMC



Linux OS



18400 DMIPS



Built-in Wi-Fi Module\*

## SPECIFICATIONS

### HARDWARE

Chipset	Amlogic S905X2, 18400 DMIPS
Processor	ARM Cortex-A53 Quad Core 1900 MHz
RAM / Flash	1 GB / 4 GB eMMC
GPU	ARM Mali Dvalin MP2, 850MHz Supports OpenGL ES 3.2, Vulkan 1.0 and OpenCL 2.0

### AUDIO AND VIDEO

Audio codecs	MPEG L1/L2/L3I, AAC-LC, HE AAC V1/V2, APE, FLAC, Dolby Digital Plus™
Audio formats	AC3, ACC, APE, FLAC, M4A, MP3, OGG, WAV
Video modes	PAL, NTSC, 576p, 720p, 1080p, 1080i, 2160p
Video codecs	MPEG1/2 MP@HL, MPEG4 part 2 (ASP), H.265 Main/Main 10@L5.1 High 2160p@60 fps (optional), H.264 AVC High@L5.1 2160p@30 fps, XviD, 3D video support
Video containers	TS, AVI, MPEG, MP4, MOV, MKV, M2TS, VOB
Image formats	JPEG, PNG, BMP, RAW
Subtitles	DVB, PGS, SRT, SSA/ASS, SUB, Teletext subs, WebVtt, Closed captions
Playlist formats	M3U, M3U8, PLS, CUE

### SOFTWARE AND CAS/DRM

OS	Linux 4.9
DRM/CAS	Upon request
MW/UI	Pre-integrated with Infomir Ministra TV platform. Integration with operator's applications, customization or complete replacement of image is also available.

### OTHER INTERFACES

Digital AV	HDMI 2.1
Ethernet	100 Mbps
USB	USB 2.0 x 1; USB 3.0 x 1
Wi-Fi	Built-in 2T2R ac (only for MAG520w3)

### POWER

PSU	DC 5V, 2A
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### PHYSICAL CHARACTERISTICS

Width/depth/height	120 x 78 x 21 mm
Weight	110 g

