MAG520 ⁺4K & HEVC Enabled Linux Settop Box

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*

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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/L3l, 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

PHYSICAL CHARACTERISTICS

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

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