

MAG544 High Performance Linux Set-Top Box

MAG544

MAG544 **W3**

HIGH-PERFORMANCE LINUX
SET-TOP BOXES POWERED BY
AN AMLOGIC CHIPSET



MAG544/544w3 are powerful IPTV set-top boxes based on Linux OS. The devices are powered by Amlogic S905Y4 chipset with quad-core ARM Cortex-A35 processor. Thanks to the new hardware, the model significantly outperforms the previous generation of set-top boxes in terms of power. The device smoothly plays 4K video and supports all modern codecs, including HEVC. API from Infomir allows you to quickly implement

the model in any video service that previously used MAG devices. Upon request, the operator can integrate the set-top box with middleware and DRM/CAS. The device supports eight-channel Dolby Digital Plus™ audio, is equipped with two USB 2.0 ports, and connects to the Internet via an Ethernet port. A set-top box with the MAG544w3 modification can also connect to the network via a Wi-Fi wireless connection.

KEY FEATURES



4K and HEVC
Support



4x ARM
Cortex-A35



Amlogic
S905Y4-B



1 GB RAM /
4 GB eMMC



Micro Fusion
design



Linux OS



16 500
DMIPS



Built-in Wi-Fi
module*

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SPECIFICATIONS

HARDWARE

Chipset	Amlogic S905Y4-B, 16 500 DMIPS
Processor	ARM Cortex-A35 Quad-Core, 2 000 MHz
RAM / Flash	1 GB / 4 GB eMMC
GPU	ARM G31 MP2, 850 MHz. Supports OpenGL ES 3.2, Vulkan 1.1, and OpenCL 2.0

AUDIO AND VIDEO

Audio codecs	MPEG L1/L2/L3I, AAC-LC, HE AAC V1/V2, APE, FLAC, Dolby Digital Plus™
Video modes	PAL, NTSC, 576p, 720p, 1080p, 1080i, 2160p
Video codecs	MPEG1/2 MP@HL, MPEG4 part 2 (ASP), AV1, MJPEG streams, 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 2
Wi-Fi	Built-in 2T2R ac (MAG544w3 only)

POWER

PSU	DC 5V, 2A
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PHYSICAL CHARACTERISTICS

Width/depth/ height	115 x 115 x 28 mm
Weight	170 g

Front panel



Back panel

