

MAG540

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



MAG540/540w3 are high-performance 4K and HEVC-enabled Linux set-top boxes intended for operators. The ARM Cortex-A35 quad-core CPU with a new Amlogic S905Y4 chipset ensures this model is more powerful than the previous generation devices. MAG540/540w3 supports all the latest codecs, including H.265 and Dolby Digital Plus™.

On request, we can integrate the set-top box with middleware and DRM/CAS. Operators that used legacy MAG models can quickly integrate the device using the API. The set-top box features two USB ports and offers 100 Mbps Ethernet connectivity, while MAG540w3 also supports wireless connections.

KEY FEATURES



4K and HEVC
Support



4x ARM
Cortex-A35



Amlogic
S905Y4-B



1 GB RAM /
4 GB eMMC



Qubic
design



Linux OS



16 500
DMIPS



Built-in Wi-Fi
module*

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 (MAG540w3 only) |

POWER

| | |
|-----|-----------|
| PSU | DC 5V, 2A |
|-----|-----------|

PHYSICAL CHARACTERISTICS

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

