

GIEC



IPTV/OTT STB Manufacturer

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About GIEC



GIEC was founded in 1999, which is a leading company in consumer electronics industry. Our products covers IPTV/OTT STB, AI Speakers, Sound Bar, Smart Home IoT Devices, Educational Tablets and DVB STB. IPTV/OTT STB product line, targeted on operator market, is used to provide interactive TV services delivered over IP-based networks(IPTV, VoD, OTT).

As a first-class electronic enterprise in China, GIEC has its own Industrial Park , which is located in Shenzhen International Low Carbon City covering 150,000 square feet, with about 1,500 employees. The factory is running strictly under regulations of ISO 9001 &ISO 14001 standards and in compliance with CE, RoHS, FCC and CCC,etc standards.

We enhance our ability to provide you with better products and service, aiming to work on mutual benefit for long-term cooperation.



GIEC IPTV/OTT STB Hardware Advantages Introduction

* Supply Customized PCB Schematic Diagram Design & Layout

* Supply Customized ID Design and Tooling

* Stability Test

- 7*24 hours severe CPU/GPU/Memory test with high bitrate streaming
- Aging test
- High temperature load test
- Low temperature load test
- Drop and Vibration Test
- High Voltage test
- Electrostatic test

* Program Failure Testing

Professional program failure testing, 1000 times test under compulsive power on/off condition and any other informal power-off operation.

* Thermal Design

Professional thermal simulation, ensure device control and test every hot sport temperature working stably when temperature increases.

* Component Selection

All components selected are well-known brand, eg DDR:Samsung/Nanya Flash: Samsung/Toshiba

* WIFI Signal Strength Test

100% test of RF's index, Antenna and machine test; WIFI stability duration test; WIFI throughput Test.

GIEC OTT/IPTV Software Advantage Introduction

* DRM

- Google Widevine Level 1 & Level 3
- Verimatrix Advanced/Ultra Security
- Playready

* SDK Support

- Uboot, supply to develop customized system Uboot as per customer's requirements
- Kernel, audio/video decoding develop, Support customized streaming Secure OS
- System Middle Layer, supply customized streaming middle-layer package

* APK Developments

VoD(Video on Demand), Live TV, Launcher, Settings, OTA Update, File Browser, Apps manager, One key installer, APP Download Manager, Factory test, DTV player, KODI and so on

* Terminal Management System

- OTA Upgrading
- Support incremental upgrade or Full package upgrade
- From server back end to control upgrade strategy
- Based on different models, whether or not publish upgrade, whether or not force upgrading
- Viewable screen for OTA configuration from server
- Advertisement photo/video push
- Advertisement Authentication

* System Auto-test Procedure

- Auto reboot testing more than 10,000 times to verify system stability
- Auto suspend testing more than 10000 times to verify standby wake up system stability
- Board test to each I/O ports
- Mac address /SN burning
- Product info upload to server and create report

GK-MP1139

Google certified Android TV set-top-box



Android TV is a version of the Android operating system specially designed for TV and set-top boxes, more stable System and fast update follow Google.

Built-in Chromecast, users can quickly cast photos, videos, music, and other content you love from your mobile, PC, iPad etc.

Built-in Google assistant, users can control everything with voice.

Supporting a large number of apps from Certificated Google play store.

Built-in massive content and entertainment, like YouTube, Movie, Android Game, Music, etc.

GK-MP1139 already ATV certified, much easier and faster to pass ATV certification greatly, speeding up the time-to-market. Off-the-shelf Apps and features greatly save the development time and costs. Let customers go to market quickly with a future-proof platform. Operators tiers can also customize their UI.

Supported DRM

* Playready

* Google Widevine Level 1& level 3

* HDCP2.2

GK-MP1139 Specifications

HARDWARE

Chipset: AML905X2

CPU: ARM Quad 64-bit Cortex-A53 up to 2GHz (DVFS)

GPU: Mali-G31 MP2 850MHz

RAM: 2GB

Flash Memory: 8GB (can expand)

WIFI: Built-in 2.4G/5.8G ac WiFi(2T2R)

SOFTWARE

Operating system: Android 9.0 Pie(or higher)

DIMENSION

110*110*22mm

INTERFACES

HDMI 2.0b

2xUSB 2.0 Host

AV

SPDIF

TF Card slot

Power Jack

Power Switch

100M Ethernet

AUDIO & VIDEO

Video Codecs:

H.265/HEVC Main/Main10 profile@Level5.1 Higher-tier, Simultaneous 4Kx2K@60fps & 1x1080p@30fps decoding

H.264 AVC BP/MP/HP@L5.1, H.264/AVC MVC up to 1080p@30fps

VP9 up to 4Kx2K@60fps

VP6/8 up to 1080p@60fps

MPEG1 up to 1080p@60fps

MPEG-2 SP@ML, MP@HL, up to 1080p@60fps

MPEG-4 SP@L0-3, ASP@0-5, support GMC, support Short-Header format, up to 1080p@60fps

AVS JiZhun Profile@6.0, AVS-P16(AVS+), up to 1080p@60fps

VC-1 SP@ML, MP@HL, AP@L0-3, up to 1080p@60fps

REALVIDEO 8/9/10, up to 4K*60fps

File format:

TS/ASF/WMV/MKV/RMP4/AVI/M2TS/ISO/BDMV...

(Highest 2160P@60fps)

Video Containers:

MKV/WMV/VC-1 SP/MP/AP/MPEG/DAT/AVI/MOV/ISO/MP4/RM/H.264

Audio Formats:

MP3/WMA/AAC/APE/FLAC/MKA

Image Formats:

JPEG/MJPEG/PNG

Subtitle:

SRT/SSA/PGS(built-in)/SMI

STANDARD SET

GK-MP1139 Android TV STB

BLE Remote control with voice

HDMI Cable

Power adapter 12V/1A

Packaging

Quick Guide

GK-MP1233

4K Android STB with Built-in LTE



GK-MP1233 is a quad-core 4K HD Android box with 4G LTE Function. The STB can connect to the internet via 4G, you can surf the internet via 4G signal. Support customize base on different band frequency.

The STB adopts Amlogic powerful 4-Core SoC S905X, based on ARM Cortex A53, CPU upto 1.5GHz
5 Core ARM Mali 450 GPU upto 600MHz+ (DVFS)
OpenGL ES1.1/2.0 and OpenVG 1.1 support hardware Decoding UHD 4K HEVC
4Kx2K@60 max resolution output
Support HDR & VP9

The hardware configuration delivers with
* 1GB RAM+8GB emmc Flash
* 2.4GHz 802.11b/g/n/ WIFI
Built in 4G LTE SIM card

Supported DRM
* Widevine Level 1 & Level 3
* Verimatrix advanced security
* Playready

GK-MP1233 Specifications

HARDWARE

Chipset: AML S905X
CPU: 64 bit 4-Core ARM Cortex A53 up to 1.5GHz
GPU: 5-Core ARM Mali-450
RAM: 1GB/2GB DDR3
Flash Memory: 8GB
WIFI: Built-in 2.4G WIFI (1T1R)

SOFTWARE

Operating system: Android7.1
HDCP 2.0

DIMENSION

119*119*20mm

INTERFACES

USB2.0*2
Reset hole*1
5V 2A DC IN*1
HDMI*1
100MB Lan*1
Micro USB*1
AV Out*1
SIM Card Slot*1
Power/IR/Ethernet led light

AUDIO & VIDEO

Video Codecs:

H.265 HEVC MP-10@L5.1 up to 4K*2K@60fps
Support HDR10 and HLG HDR processing
H.264 AVC HP@L5.1 up to 4K*2K@60fps
H.264 MVC up to 4K*2K @30fps
MPEG-4 ASP@L5 up to 1080P@60fps (ISO-12296)
WMV/VC-1 SP/MP/AP up to 1080P@60fps
AVS-P16 (AVS+) /AVS-P2 JiZhu profile up to 1080P@60fps
MPEG-2 MP/HL up to 1080P@60fp (ISO-13818)
MPEG-1 MP/HL up to 1080P@60fp (ISO-11172)
RealVideo 8/9/10 up to 1080P@60fps

Video Containers:

MKV/WMV/MPG/MPEG/DAT/AVI/MOV/ISO/MP4/RM

Audio Formats:

MP3/AAC/WMA/RM/FLAC/OGG/AC3(Optional)/Programmable with
7.1/5.1 down-mixing

Image Formats:

HD JPEG/BMP/GIF/PNG/TIFF

STANDARD SET

GK-MP1233 Set top box
IR remote control
2*AAA battery for RCU
HDMI Cable
Power adaptor 5V/2A
Packaging
User manual

GK-MP0605

4K HDMI TV Dongle



GK-MP0605 HDMI Dongle comes with the latest Amlogic S905Y2 chipset, high quality with competitive price.

The STB adopts Amlogic powerful 4-Core SoC S905Y2, based on ARM Cortex A53, CPU upto 2GHz
5 Core ARM Mali –G31 MP2 850MHz
OpenGL ES1.1/2.0 and OpenVG 1.1 support hardware Decoding UHD 4K HEVC
4K×2K@60 max resolution output
Support HDR & VP9

The hardware configuration delivers with
* 2GB RAM+8GB emmc Flash
* 2.4/5GHz 802.11b/g/n/ac WIFI with MIMO
Bluetooth 4.2 or higher

Supported DRM
* Widevine Level 1 & Level 3
* Verimatrix advanced security
* Playready

GK-MP0605 Specifications

HARDWARE

Chipset: AML S905Y2
CPU: 64 bit 4-Core ARM Cortex A53 up to 2GHz
GPU: Mali-G31 MP2 850MHz
RAM: 2GB DDR3
Flash Memory: 8GB
WIFI: Built-in 2.4/5G WIFI (2T2R)
Bluetooth: 4.2 or higher

SOFTWARE

Operating system: Android9.1 or higher
HDCP 2.0

DIMENSION

61*61*14.6mm

INTERFACES

USB type C for power
Mini HDMI output

AUDIO & VIDEO

Video Codecs:

H.265 HEVC MP-10@L5.1 up to 4K*2K@60fps
Support HDR10 and HLG HDR processing
H.264 AVC HP@L5.1 up to 4K*2K@60fps
H.264 MVC up to 4K*2K @30fps
MPEG-4 ASP@L5 up to 1080P@60fps (ISO-12296)
WMV/VC-1 SP/MP/AP up to 1080P@60fps
AVS-P16 (AVS+) /AVS-P2 JiZhu profile up to 1080P@60fps
MPEG-2 MP/HL up to 1080P@60fp (ISO-13818)
MPEG-1 MP/HL up to 1080P@60fp (ISO-11172)
RealVideo 8/9/10 up to 1080P@60fps

Video Containers:

MKV/WMV/MPG/MPEG/DAT/AVI/MOV/ISO/MP4/RM

Audio Formats:

MP3/AAC/WMA/RM/FLAC/OGG/AC3(Optional)/
Programmable with 7.1/5.1 down-mixing

Image Formats:

HD JPEG/BMP/GIF/PNG/TIFF

STANDARD SET

GK-MP0605 Dongle
HDMI Cable
USB Power adaptor 5V/2A
Packaging
User manual

GK-MP1125

Advanced 4K OTT/IPTV STB



A 4K Android OTT/IPTV STB which supports USB3.0, it integrates a powerful CPU/GPU subsystem, a secured 4K video codec engine and a best-in-class HDR image processing.

The STB adopts Amlogic S905X2 SoC, based on ARM Quad 64-bit Cortex-A53 up to 2GHz Mali-G31 MP2 850MHz GPU

The hardware configuration delivers with

- * 2GB RAM+8GB Flash
- * 802.11 b/g/n/ac 2.4G/5.8G Dual Band Wi-Fi(2T2R) with Bluetooth 4.1

Supported DRM

- * Widevine Level 1& 3
- * Verimatrix advanced security
- * Playready

GK-MP1125 Specifications

HARDWARE

Chipset: AML S905X2

CPU: ARM Quad 64-bit Cortex-A53 up to 2GHz (DVFS)

GPU: Mali-G31 MP2 850MHz

RAM: 2GB DDR3

Flash Memory: 8GB (can expand)

WIFI: Built-in 2.4G/5.8G ac WiFi(2T2R)

SOFTWARE

Operating system: Android 9 Pie (or higher)

DIMENSION

110*110*30mm

INTERFACES

HDMI 2.0 output

1*USB 2.0 port

1*USB 3.0 port

AV output(1 to 3)

Ethernet Gigabit(100MB Ethernet optional)

DC JACK

AUDIO & VIDEO

Video Codecs:

VP9 Profile-2 up to 4Kx2K@60fps

H.265 HEVC MP-10@L5.1 up to 4Kx2K@60fps

AVS2-P2 Profile up to 4Kx2K@60fps

H.264 AVC HP@L5.1 up to 4Kx2K@30fps

H.264 MVC up to 1080P@60fps

MPEG-4 ASP@L5 up to 1080P@60fps (ISO-14496)

WMV/VC-1 SP/MP/AP up to 1080P@60fps

AVS-P16(AVS+) /AVS-P2 JiZhun Profile up to 1080P@60fps

MPEG-2 MP/HL up to 1080P@60fps (ISO-13818)

MPEG-1 MP/HL up to 1080P@60fps (ISO-11172)

RealVideo 8/9/10 up to 1080P@60fps

Video Containers:

MKV/WMV/MPG/MPEG/DAT/AVI/MOV/ISO/MP4/RM

Audio Formats:

MP3/AAC/WMA/RM/FLAC/OGG and programmable with 7.1/5.1 down-mixing

Image Formats:

HD JPEG/BMP/GIF/PNG/TIFF

STANDARD SET

GK-MP1125 STB

Exquisite IR RCU

CR2032 battery for RCU

HDMI Cable

Power adaptor 12V/1A

Packaging

User Guide

GK-MP1621

Advanced 4K Hybrid OTT box with ISDB-T



The GK-MP1621 is an advanced hybrid OTT Set-top box which integrates a powerful CPU/GPU subsystem, supports free to air ISDB-T standard.

The STB adopts Amlogic S905X2 SoC, based on ARM Quad 64-bit Cortex-A53 up to 2GHz Mali-G31 MP2 850MHz GPU

The Hardware configuration delivers with

- * 1GB RAM+8GB Flash
- * 802.11 b/g/n/ac 2.4G/5.8G Dual Band Wi-Fi(2T2R) with Bluetooth 4.1

Supported DRM

- * Widevine Level 1& 3
- * Verimatrix advanced security
- * Playready

GK-MP1621 Specifications

HARDWARE

Chipset: AML S905X2

CPU: ARM Quad 64-bit Cortex-A53 up to 2GHz(DVFS)

GPU: Mali-G31 MP2 850MHz

RAM: 1GB/2GB DDR3

Flash Memory: 8GB (can expand)

WIFI: Built-in 2.4G/5.8G ac WiFi(2T2R)

SOFTWARE

Operating system: Android 9 Pie (or higher)

DIMENSION

162x120x32mm

INTERFACES

HDMI 2.0 output

2*USB 2.0 port

1*USB 3.0 port

Optical output

TF/Micro SD Card slot

AV output(1 to 3)

100MB Ethernet (Gigabit optional)

DC JACK

RF In

RF Out

AUDIO & VIDEO

Video Codecs:

VP9 Profile-2 up to 4Kx2K@60fps

H.265 HEVC MP-10@L5.1 up to 4Kx2K@60fps

AVS2-P2 Profile up to 4Kx2K@60fps

H.264 AVC HP@L5.1 up to 4Kx2K@30fps

H.264 MVC up to 1080P@60fps

MPEG-4 ASP@L5 up to 1080P@60fps (ISO-14496)

WMV/VC-1 SP/MP/AP up to 1080P@60fps

AVS-P16(AVS+) /AVS-P2 JiZhun Profile up to 1080P@60fps

MPEG-2 MP/HL up to 1080P@60fps (ISO-13818)

MPEG-1 MP/HL up to 1080P@60fps (ISO-11172)

RealVideo 8/9/10 up to 1080P@60fps

Video Containers:

MKV/WMV/MPG/MPEG/DAT/AVI/MOV/ISO/MP4/RM

Audio Formats:

MP3/AAC/WMA/RM/FLAC/OGG/Programmable with 7.1/5.1 down-mixing

Image Formats:

HD JPEG/BMP/GIF/PNG/TIFF

STANDARD SET

GK-MP1621 ISDB-T

IR remote control

Battery for RCU

HDMI Cable

Power adaptor 12V/1A

Packaging

User Guide

GK-MP1208

Premium 4K OTT/IPTV STB



The GK-MP1208 is a premium 4K model Android STB, it is a great ideal STB for live channels/VoD contents provider/Content aggregators to promote their services.

The STB adopts Amlogic powerful 4-Core SoC S905X, based on ARM Cortex A53, CPU upto 1.5GHz
5 Core ARM Mali 450 GPU upto 600MHz+ (DVFS)
OpenGL ES1.1/2.0 and OpenVG 1.1 support hardware Decoding UHD 4K HEVC
4Kx2K@60 max resolution output
Support HDR & VP9

The hardware configuration delivers with
* 1GB/2GB RAM+8GB Flash
* 2.4/5GHz 802.11b/g/n/ AC Dual Band Wifi

Supported DRM
* Google Widevine Level 1 & Level 3
* Verimatrix advanced security
* Playready

GK-MP1208 Specifications

HARDWARE

Chipset: AML S905X

CPU: 64 bit 4-Core ARM Cortex A53 up to 1.5GHz

GPU: 5-Core ARM Mali-450

RAM: 1GB/2GB DDR3

Flash Memory: 8GB

WIFI: Built-in 2.4G WIFI (1T1R)

Dual Band AC WIFI (2T2R) optional

SOFTWARE

Operating system: Android 7.1 or higher

HDCP 2.0

DIMENSION

120*125*24mm

INTERFACES

HDMI 2.0 output

1 x USB 2.0 port

1 x Micro USB device

TF/Micro SD Card slot

AV output (1-to-3)

Ethernet 100MB

DC Jack

AUDIO & VIDEO

Video Codecs:

H.265 HEVC MP-10@L5.1 up to 4K*2K@60fps

Support HDR10 and HLG HDR processing

H.264 AVC HP@L5.1 up to 4K*2K@60fps

H.264 MVC up to 4K*2K @30fps

MPEG-4 ASP@L5 up to 1080P@60fps (ISO-12296)

WMV/VC-1 SP/MP/AP up to 1080P@60fps

AVS-P16 (AVS+) /AVS-P2 JiZhu profile up to 1080P@60fps

MPEG-2 MP/HL up to 1080P@60fp (ISO-13818)

MPEG-1 MP/HL up to 1080P@60fp (ISO-11172)

RealVideo 8/9/10 up to 1080P@60fps

Video Containers:

MKV/WMV/MPG/MPEG/DAT/AVI/MOV/ISO/MP4/RM

Audio Formats:

MP3/AAC/WMA/RM/FLAC/OGG/AC3(Optional)/

Programmable with 7.1/5.1 down-mixing

Image Formats:

HD JPEG/BMP/GIF/PNG/TIFF

STANDARD SET

GK-MP1208 Set top box

IR remote control

2*AAA battery for RCU

HDMI Cable

Power adaptor 12V/1A

Packaging

User manual

GK-MP1113

Entry Level 4K Android OTT STB



Hand-size design, small & easy to take, low cost 4K Android STB.

The STB adopts Amlogic powerful 4-Core SoC S905X, based on ARM Cortex A53, CPU upto 1.5GHz
5 Core ARM Mali 450 GPU upto 600MHz+ (DVFS)
OpenGL ES1.1/2.0 and OpenVG 1.1 support hardware Decoding UHD 4K HEVC
4Kx2K@60 max resolution output
Support HDR & VP9

The hardware configuration delivers with

- * 1GB RAM+8GB emmc Flash
- * 2.4GHz 802.11b/g/n/ WIFI

Supported DRM

- * Widevine Level 1 & Level 3
- * Verimatrix advanced security
- * Playready

GK-MP1113 Specifications

HARDWARE

Chipset: AML S905X

CPU: 64 bit 4-Core ARM Cortex A53 up to 1.5GHz

GPU: 5-Core ARM Mali-450

RAM: 1GB DDR3

Flash Memory: 8GB

WIFI: Built-in 2.4G WIFI (1T1R)

SOFTWARE

Operating system: Android6.0

HDCP 2.0

DIMENSION

110*90*25mm

INTERFACES

HDMI 2.0 output

2 x USB 2.0 port

TF/Micro SD Card slot

AV output (1-to-3)

Ethernet 100MB

DC Jack

On/Off button

AUDIO & VIDEO

Video Codecs:

H.265 HEVC MP-10@L5.1 up to 4K*2K@60fps

Support HDR10 and HLG HDR processing

H.264 AVC HP@L5.1 up to 4K*2K@60fps

H.264 MVC up to 4K*2K @30fps

MPEG-4 ASP@L5 up to 1080P@60fps (ISO-12296)

WMV/VC-1 SP/MP/AP up to 1080P@60fps

AVS-P16 (AVS+) /AVS-P2 JiZhu profile up to 1080P@60fps

MPEG-2 MP/HL up to 1080P@60fp (ISO-13818)

MPEG-1 MP/HL up to 1080P@60fp (ISO-11172)

RealVideo 8/9/10 up to 1080P@60fps

Video Containers:

MKV/WMV/MPG/MPEG/DAT/AVI/MOV/ISO/MP4/RM

Audio Formats:

MP3/AAC/WMA/RM/FLAC/OGG/AC3(Optional)/

Programmable with 7.1/5.1 down-mixing

Image Formats:

HD JPEG/BMP/GIF/PNG/TIFF

STANDARD SET

GK-MP1113 Set top box

IR remote control

2*AAA battery for RCU

HDMI Cable

Power adaptor 12V/1A

Packaging

User manual

GK-MP1111

4K OTT/IPTV STB



Elegant & Compact design, with shining top cover and a metal base, top quality.

The GK-MP1111C is a cost effective 4K android STB solution which supports VP9 & HDR.

The STB adopts Amlogic powerful 4-Core SoC S905X, based on ARM Cortex A53, CPU upto 1.5GHz

5 Core ARM Mali 450 GPU upto 600MHz+(DVFS)

OpenGL ES1.1/2.0 and OpenVG 1.1 support hardware Decoding UHD 4K HEVC

4Kx2K@60 max resolution output

Support HDR & VP9

The hardware configuration delivers with

* 2GB/1GB RAM+8GB Emmc Flash

* 2.4GHz 802.11b/g/n/ WIFI (Bluetooth 4.2 optional)

Supported DRM

* Widevine Level 1 & Level 3

* Verimatrix advanced security

* Playready

GK-MP1111 Specifications

HARDWARE

Chipset: AML S905X

CPU: 64 bit 4-Core ARM Cortex A53 up to 1.5GHz

GPU: 5-Core ARM Mali-450

RAM: 2GB DDR3(1GB Optional)

Flash Memory: 8GB

WIFI: Built-in 2.4G WIFI (1T1R)

2.4G/5G Dual Band AC WIFI (1T1R) optional

SOFTWARE

Operating system: Android 7.1 or higher

HDCP 2.0

DIMENSION

110*110*27mm

INTERFACES

HDMI 2.0 output

3 x USB 2.0 port

TF/Micro SD Card slot

AV output (1-to-3)

Ethernet 100MB

DC Jack

Optical

AUDIO & VIDEO

Video Codecs:

H.265 HEVC MP-10@L5.1 up to 4K*2K@60fps

Support HDR10 and HLG HDR processing

H.264 AVC HP@L5.1 up to 4K*2K@60fps

H.264 MVC up to 4K*2K @30fps

MPEG-4 ASP@L5 up to 1080P@60fps (ISO-12296)

WMV/VC-1 SP/MP/AP up to 1080P@60fps

AVS-P16 (AVS+) /AVS-P2 JiZhu profile up to 1080P@60fps

MPEG-2 MP/HL up to 1080P@60fp (ISO-13818)

MPEG-1 MP/HL up to 1080P@60fp (ISO-11172)

RealVideo 8/9/10 up to 1080P@60fps

Video Containers:

MKV/WMV/MPG/MPEG/DAT/AVI/MOV/ISO/MP4/RM

Audio Formats:

MP3/AAC/WMA/RM/FLAC/OGG/AC3(Optional)/

Programmable with 7.1/5.1 down-mixing

Image Formats:

HD JPEG/BMP/GIF/PNG/TIFF

STANDARD SET

GK-MP1111 Set top box

IR remote control

2*AAA battery for RCU

HDMI Cable

Power adaptor 5V/2A

Packaging

User manual

GK-MP1630

4K Hybrid OTT box with DVB-T2/DVB-S2/DVB-C



The GK-MP1630 is a high performance hybrid 4K STB that supports DVB-T2/DVB-S2/DVB-C 4K standards on top of IPTV and OTT.

The STB adopts Amlogic SoC S905D

Quad Core ARM Cortex A53 CPU upto 1.5GHz (DVFS)

Penta-core ARM Mali-450 GPU up to 750MHz+

10Bit H.265 Hardware decoding upto 4K, 60fps

HDMI 2.0 & HDCP2.2

VP9 & HDR new features support

The hardware configuration delivers with

* 2GB/1GB RAM+8GB eMMC Flash

* 2.4GHz/5.8GHz Dual Band AC WIFI with BT 4.1 (Optional)

Supported DRM

* Google Widevine Level 1 & Level 3

* Verimatrix advanced security

* Playready

GK-MP1630 Specifications

HARDWARE

Chipset: AML S905D

CPU: 64 bit 4-Core ARM Cortex A53 up to 1.5GHz

GPU: 5-Core ARM Mali-450

RAM: 2GB DDR3 (1GB Optional)

Flash Memory: 8GB

WIFI: Built-in 2.4G b/g/n/ (1T1R)

Bluetooth: BT4.1 (Optional)

DVB-T2/DVB-S2/DVB-C

SOFTWARE

Operating system: Android 7.1 or higher

HDCP 2.0

DIMENSION

162*120*32mm

INTERFACES

HDMI 2.0 output

3 x USB 2.0 port

Optical output

TF/Micro SD Card slot

AV output (1-to-3)

Ethernet 100MB

DC Jack

RF In

RF out

AUDIO & VIDEO

Video Codecs:

VP9 Profile-2 up to 4Kx2K@60fps

Support HDR10 and HLG HDR processing

H.265 HEVC MP-10@L5.1 UP TO 4K*2K@60fps

H.264 AVC HP@L5.1 up to 4K*2K@30fps

H.264 MVC up to 4K*2K@60fps

MPEG-4 ASP@L5 up to 1080P@60fps (ISO-14496)

WMV/VC-1 SP/MP/AP up to 1080P@60fps

AVS-P16(AVS+)/AVS-P2 JiZhun Profile up to 1080P@60fps

MPEG-2 MP/HL up to 1080P@60pfs (ISO-13818)

MPEG-1 MP/HL up to 1080P@60pfs (ISO-11172)

RealVideo 8/9/10 up to 1080P@60fps

Video Containers:

MKV/WMV/MPG/MPEG/DAT/AVI/MOV/ISO/MP4/RM

Audio Formats:

MP3/AAC/WMA/RM/FLAC/OGG/AC3(Optional)/

Programmable with 7.1/5.1 down-mixing

Image Formats:

HD JPEG/BMP/GIF/PNG/TIFF

STANDARD SET

GK-MP1630 Hybrid DVB-T2/DVB-S2/DVB-C 4K Set top box

IR remote control

2*AAA battery for RCU

HDMI Cable

Power adaptor 12V/1A

Packaging

User manual



• GIEC INDUSTRIAL PARK