



SML-5051

Ultra HD portable Set-Top Box

- High-performance Quad core 64-bit ARM Cortex A53 processor
- Quad-core Mali-450 GPU
- OpenGL ES 1.1/2.0
- UHD VP9, H.265 HEVC, H.264 AVC decode
- HDR Dolby Vision, HDR10 support
- Wi-Fi 802.11n/ac 2.4 GHz / 5GHz 2x2 MU-MIMO Wave2 (optional)
- IEEE 802.15.1 v4.1 + BLE (optional)
- OS Linux or Android

The SML-5051 is a small-form factor set-top box with high performance capable of delivering to your customer's home the exciting world of cutting edge interactive services.

With its elegant design, SML-5051 is powered by the high-performance Quad-core 64-bit ARM Cortex A53 processor.

It combines processing power with support for VP9, HEVC to deliver stunning 4K2K video at up to 60 frames per second, and offers adaptive bitrate streaming. This STB provides a great, cost-effective platform to improve your customer's experience.

SML-5051 Technical Specification

System Processor

HiSilicon Hi3798M V200
CPU: Quad core 64-bit ARM Cortex A53
DMIPS: 15000
GPU: Quad-core Mali-450

Memory

RAM: 1GB DDR3 (optionally 2GB)
Flash: 256MB NAND SLC (optionally 4GB eMMC or 8GB eMMC)

Networking

Ethernet: 10/100Mbit BASE-T
Wi-Fi: 802.11n/ac 2.4 GHz / 5GHz 2x2 MU-MIMO Wave2 (optional)
IEEE 802.15.1: 4.1 + BLE (optional)

Software

OS: Linux or Android
Browser: WebKit, Cobalt

Security

DRM/CAS: Widevine, SecureTV

Ports

HDMI: 2.0a, HDCP 2.2
USB: 1x USB 2.0 (optionally USB 3.0)
CVBS, Analogue audio
S/PDIF (optional)

Remote control

IR, IEEE 802.15.1 (optional)

Graphics

Quad core Mali-450 with OpenGL ES 1.1/2.0

Video and audio

Supported Encoding Formats.
Specific codecs, formats and technologies are supported, subject to the purchase of additional licenses are royalty payments.

Audio: MPEG L1/L2;
Dolby Digital/Dolby Digital Plus;
DTS HD/DTS M6;
AAC-LC and HE AAC V1/V2;
APE, FLAC, Ogg;
AMR-NB and AMR-WB.

Video: VP9 Profile-2;
H.265 HEVC MP-10@L5.1;
H.264 AVC HP@L5.1;
H.264 MVC 4Kx2K@30fps;
MPEG-4 ASP@L5;
VC-1 SP/MP/AP;
MPEG-2 MP/HL;
MPEG-1 MP/HL.

HDR: Dolby Vision, HDR10

Maximum video resolutions: 4K2K@60
CVBS supported output video formats:
PAL, NTSC.

General parameters

Weight (g): 130
Dimensions (mm): 110 x 107 x 33
Power supply:
AC IN: 100-240V, 50/60Hz
DC OUT: 12V-1A