



## SML-5051/SML-5051W

### 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 v5.0 + 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: 5.0 + 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, Analog 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;  
MP3;  
AAC-LC and HE AAC V1/V2;  
APE, FLAC, Ogg.

Video: VP9 Profile-2;  
H.265 HEVC MP-10@L5.1;  
H.264 AVC HP@L5.1;  
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