

# DMA-8654

SMP8654 Network Player Development Kit

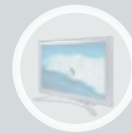


The DMA-8654 development kit enables the rapid development of a network player, capable of playing a variety of content from a variety of sources over the home network, including on-line, NAS, hard drive, etc.

Based on our SMP8654 Secure Media Processor™, the DMA-8654 supports a HDMI output, two USB 2.0 Host ports, and an Ethernet port.

Additional features such as DLNA, wireless network, Z-Wave® RF remote control, and streaming of on-line movies, TV shows and videos may also be easily incorporated.

Our Professional Services Group offers design assistance to customize the final design to your specifications.



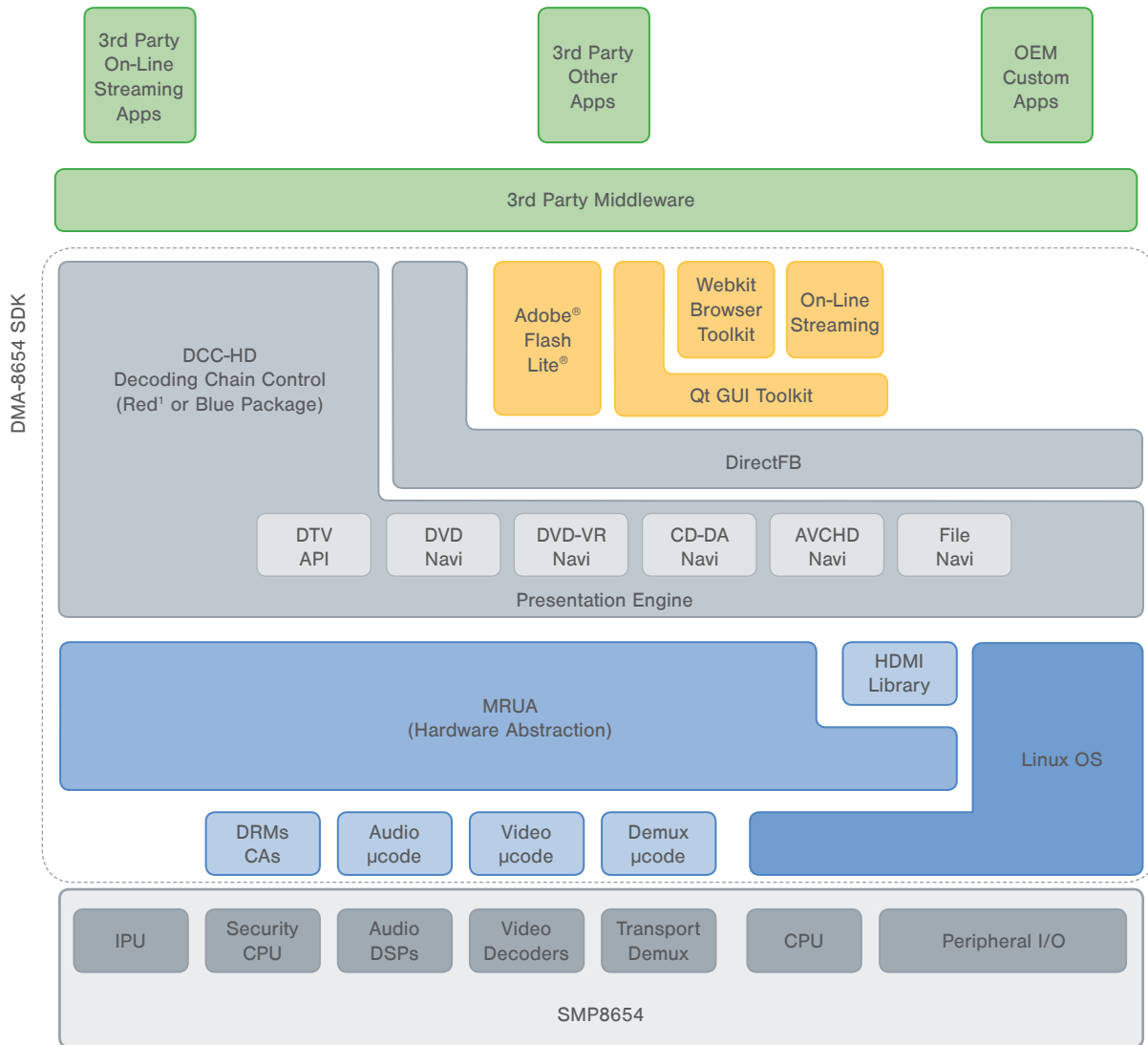
- Enables rapid development of a network and/or AVCHD player
- Video outputs include NTSC/PAL composite and S-video, YPbPr and HDMI
- Audio outputs include 2.0-ch analog audio, SPDIF
- USB, Ethernet, e-SATA
- Internal connector for optional SATA HDD
- Includes PC board, SDK, development tools, schematics, bill of materials, Gerber files and documentation

POWERING THE DIGITAL MEDIA GENERATION



# DMA-8654

## Software Architecture



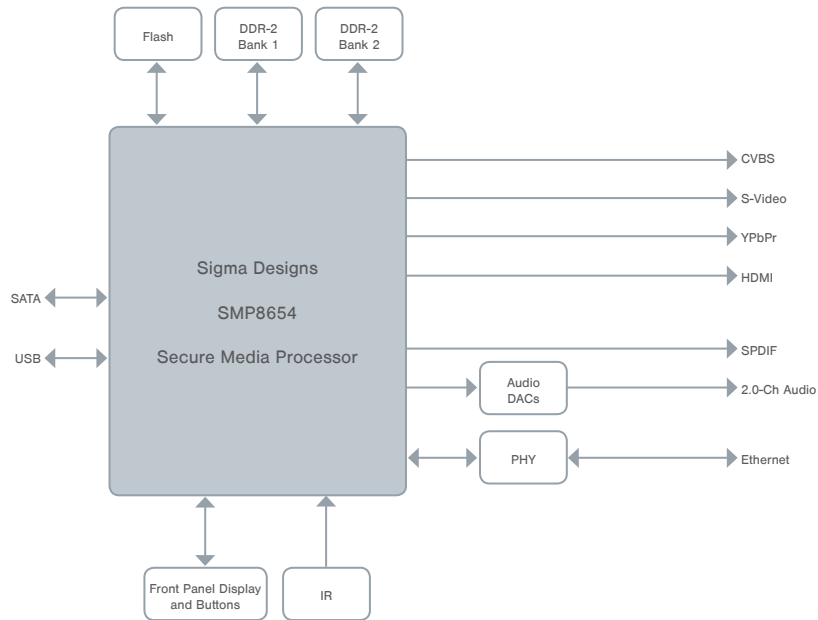
<sup>1</sup> DCC-HD Red Package does not include AVCHD navigation

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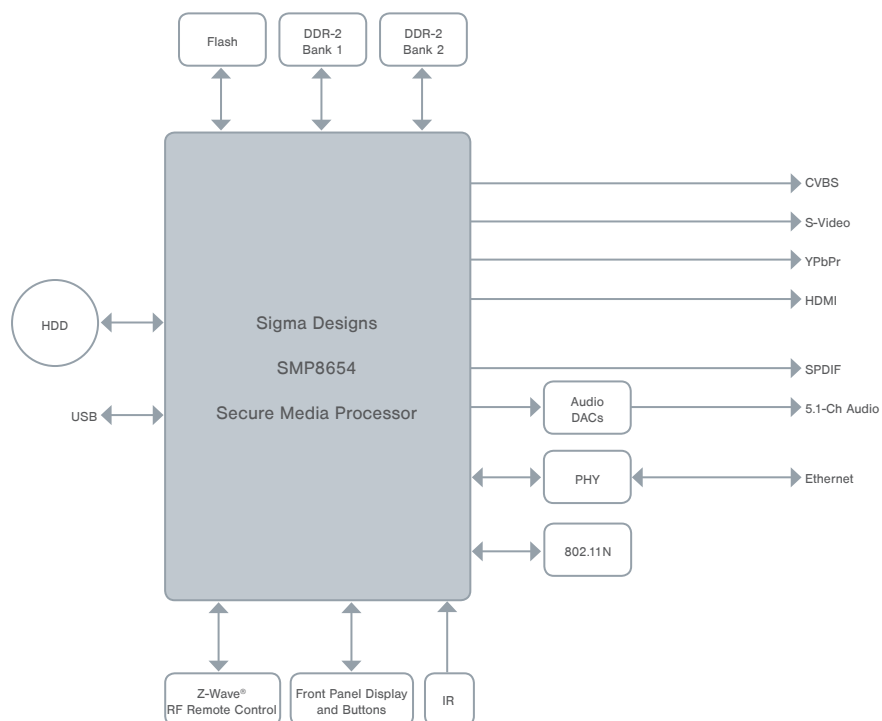
## Network Player Block Diagrams



Block Diagram of DMA-8654



Customize the Design to Differentiate Your Network Player



## DMA-8654 FEATURES AND SPECIFICATIONS

### VIDEO OUTPUTS

- NTSC/PAL composite\* and S-video
- Analog YPbPr video\*
- HDMI v1.3a with audio
- Macrovision copy protection on 480i, 576i, 480p and 576p analog outputs

### AUDIO OUTPUTS

- 2.0-ch analog audio
- SPDIF digital audio\*

### MEMORY

- 2MB SPI NOR flash
- 512MB SLC NAND flash
- 512MB DDR-2 DRAM (DDR-667)

### OTHER I/O

- Two USB 2.0 high speed (embedded host)
- 10/100 BaseT Ethernet (RJ45)
- e-SATA connector
- Internal SATA connector for optional HDD
- MII via optional user-installed Mini PCI connector (for optional 3rd party 802.11 or UWB card)
- IR

### DELIVERABLES INCLUDE

- SMP8654 Pocket STB board
- Linux OS
  - SDK (API and documentation, includes applicable source code)
  - Requires x86 PC with Redhat Linux
- Board schematics
- Bill of materials
- Gerber files
- SMP8654 datasheet
- 12V DC power adapter
- Remote control

## SALES OFFICES

### U.S.A (HEADQUARTERS)

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\* Breakout cable adapter required

## DISTRIBUTORS

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