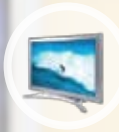


# SMP8630 Series

Secure Media Processors



## TARGET MARKETS

- IPTV
- Blu-ray players
- HDTV
- Network players (DMAs)

## SUPPORTED TECHNOLOGIES

- ATSC, DVB, ARIB and IPTV
- Blu-ray, AVCHD, HDV, DVD-Video, DVD-R/-RW/+R/+RW, SVCD, VCD, CD/-R/-RW, Picture CD (JPEG) media formats
- Audio DSP supports wide variety of audio codecs
- Security CPU supports wide variety of conditional access (CA) and digital rights management (DRM) solutions

## VIDEO DECODING

- MPEG-4.10 (H.264) BP@L3, MP@L4.0\* and HP@L4.0\*
- SMPTE 421M (VC-1) MP@HL and AP@L3
- WMV9 MP@HL
- MPEG-2 MP@HL
- MPEG-4.2 ASP@L5 (720p, 1-point GMC)

\* L4.1 for Blu-ray applications

## ADVANCED VIDEO PROCESSING

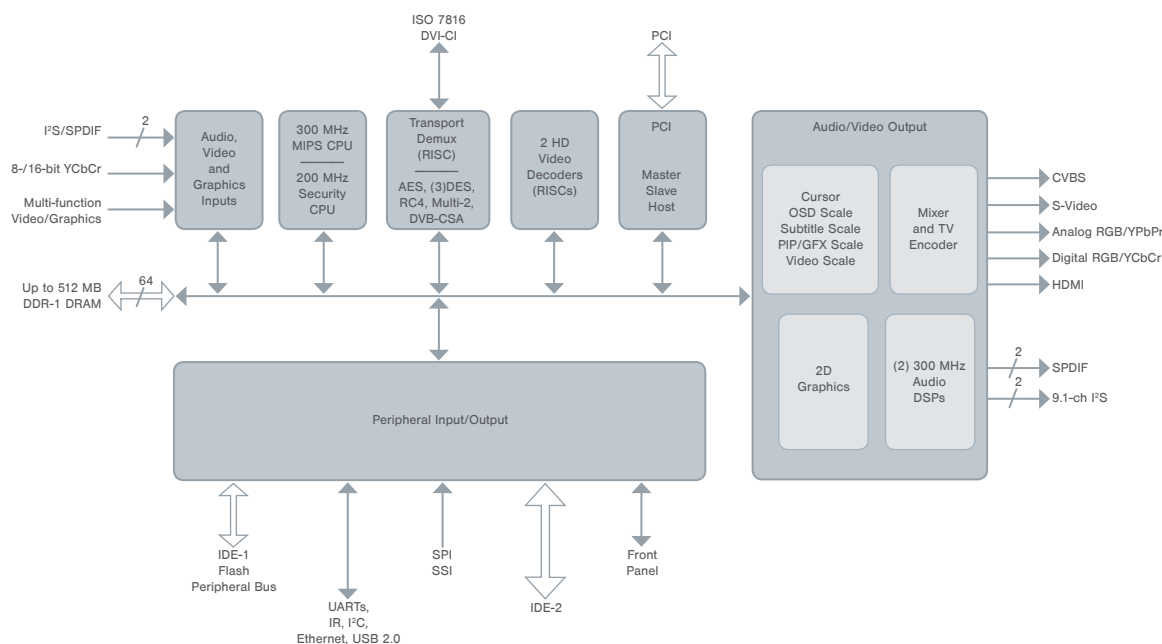
- 32-bit OSD
- 2D graphics accelerator with scaling
- JPEG and OpenType acceleration
- Motion adaptive deinterlacing
- Adaptive flicker filtering
- Programmable up/downscaling
- Simultaneous HD and SD outputs
- Individual brightness, contrast, saturation, hue and colorimetry correction controls for each video source and output port
- Color temperature and gamma controls
- xvYCC processing
- Supports HDMI v1.3 with advanced audio and xvYCC

The SMP8630 family provides highly-integrated solutions for products requiring high-definition MPEG-4.10 (H.264), SMPTE 421M (VC-1), WMV9, MPEG-4.2 and MPEG-2 decoding. The Secure Media Processor architecture offers advanced content protection, supporting a wide variety of Digital Rights Management (DRM) and Conditional Access (CA) solutions.

Incorporating flexible, advanced audio/video processing, the SMP8630 family enables cost-effective solutions for consumer products such as network players, IPTV set-top boxes, Blu-ray players, and HDTVs.

POWERING THE DIGITAL MEDIA GENERATION





SMP8634	
DMIPS / CaffeineMark™ 3.0	460 / 2223
Dual HD Decoder, Dual Audio DSP	•
Video Input Port with VBI Capture	2
Graphics Input Port, 10/100 Ethernet, USB 2.0 Embedded Host	•
HDMI	v1.2
ISO 7816	•
Secure CPU for DRM and CA Software	•
Secure Architecture	•
OpenType Font Rendering Acceleration	•
JPEG Decoding Acceleration	•
DDR-1 DRAM Support (DDR400)	64-bit 512 MB
NOR Flash Support	16-bit 256 MB
Audio Inputs	(2) 2.0 I²S + SPDIF
Audio Outputs	(2) 9.1 I²S + SPDIF
PCI Peripherals	4
Non-Macrovision Version	SMP8635

## SALES OFFICES

## U.S.A (HEADQUARTERS)

1778 McCarthy Blvd.  
Milpitas, CA 95035  
Tel: (408) 262-9003  
Fax: (408) 957-9740  
www.sigmadesigns.com  
sales@sigmadesigns.com

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## DISTRIBUTORS

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Fax: +81 45-470-9832  
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