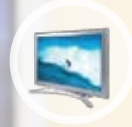


SMP8630 Series

Secure Media Processors



TARGET MARKETS

- IPTV
- Blu-ray players/recorders
- HDTV
- Digital media adapters

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

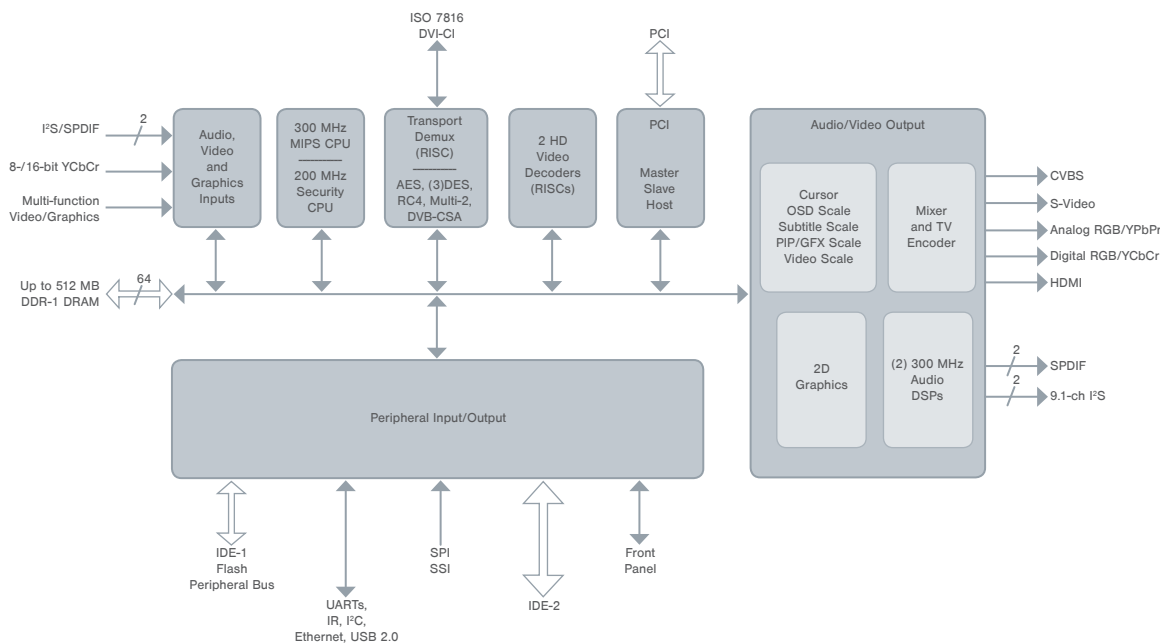
- 32-bit OSD
- 2D graphics accelerator with scaling
- JPEG and OpenType acceleration
- Motion adaptive deinterlacing
- Adaptive flicker filtering
- Programmable up/downscaling
- Simultaneous HD and SD outputs
- Individual brightness, contrast, saturation, hue and colorimetry correction controls for each 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 digital media adapters, IPTV set-top boxes, Blu-ray players/recorders, 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 I ² S + SPDIF
Audio Outputs	(2) 9.1 I ² S + 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@sdesigns.com

CHINA

Sigma Designs China Office
Unit 7C1, TianXiang Bldg.
Tian'An Cyber Zone,
Futian District,
Shenzhen, PRC
Postcode 518048
Tel: +86 755-83435669
Fax: +86 755-83435629

HONG KONG, INDONESIA, MALAYSIA

Sigma Designs (Asia) Ltd.
Unit 4001B, Tower 2,
Metroplaza
223 Hing Fong Road
Kwai Fong, N.T. Hong Kong
Tel: +852 2401-7388
Fax: +852 2610-2177

TAIWAN

Sigma Designs Taiwan
Far East World Center,
C Tower
8F-8, No. 79, Sec 1
Hsin Tai Wu Road
Hsichih, Taipei Hsien, Taiwan
Tel: +886 2-2698-2066
Fax: +886 2-2698-2099

JAPAN

Sigma Designs Japan
4-16-8 Nakahara,
Mitaka-shi,
Tokyo 181-0005, Japan
Tel: +81 422-79-3067
Fax: +81 422-79-3067

EUROPE, MIDDLE EAST, AFRICA, AUSTRALIA, SINGAPORE

Sigma Designs, Inc.
Hsin Tai Wu Road
Tel: +32 474-501234
Fax: +32 234-72260

DISTRIBUTORS

INDIA

Spectra Innovations
#30, Unit 30/4,
St. John's Road
Bengaluru-560042, India
Tel: +91 80-2558-8323
Fax: +91 80-2558-1427
www.spectraind.com

INDONESIA, MALAYSIA, SINGAPORE

Convergent Systems (S) Pte. Ltd.
60 Albert Street
#11-01 Albert Complex
Singapore 189969
Tel: +65 6337-0177
Fax: +65 6336-2247
www.convergent.com.sg

JAPAN

MACNICA, Inc.
Brilliant Technologies Company
Macnica Bldg. No 1
1-6-3 Shin-Yokohama
Kouhoku-ku, Yokohama,
222-8561 Japan
Tel: +81 45-470-9831
Fax: +81 45-470-9832
www.btc.macnica.co.jp

KOREA

Uniquet / Tekclips
Uniquet Building
271-2 Seoheyon-dong,
Bundang-gu, Sungnam-si,
Gyeonggi-do, Korea, 463-824
Tel: +82 31-708-9988
Fax: +82 31-708-6598
www.uniquet.co.kr

TAIWAN

Tradwell Company Ltd.
Far East World Center,
C Tower
8F-8, No. 79, Sec 1
Hsin Tai Wu Road
Hsichih, Taipei Hsien, Taiwan
Tel: +886 2-2698-2066
Fax: +886 2-2698-2099

