

# Vantage 8634

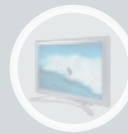
SMP8634 IPTV Set-top Box Development Kit



The Vantage 8634 development kit enables the rapid development of a “triple-play” IPTV set-top box that supports two DVB or ATSC digital tuners, VoIP and wireless home networking.

Based on our SMP8634 Secure Media Processor™, the Vantage 8634 also supports a HDMI output, two USB 2.0 Host ports, an Ethernet port and a smartcard interface.

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



- Enables rapid development of a triple-play IPTV set-top box that supports VoIP, digital tuners and wireless home network
- Supports Linux or WinCE OS
- Video outputs include NTSC/PAL composite and S-video, YPbPr and HDMI
- Audio outputs include stereo analog audio, optical and coaxial SPDIF
- USB, Ethernet and smartcard
- Mini PCI and LocalBus connectors (for optional 3rd party 802.11 or UWB card)
- Supports up to two digital tuners (DVB-T, DVB-C, DVB-S, DVB-S2 or ATSC)
- Internal connectors for optional HDD and second digital tuner
- Includes PC board, SDK, development tools, schematics, bill of materials, Gerber files and documentation

POWERING THE DIGITAL MEDIA GENERATION



## VANTAGE 8634 FEATURES AND SPECIFICATIONS

### VIDEO OUTPUTS

- NTSC/PAL composite and S-video
- Analog YPbPr video
- HDMI v1.2 with audio
- Macrovision copy protection on 480i, 576i, 480p and 576p analog outputs

### AUDIO OUTPUTS

- Stereo analog audio
- Optical and coaxial SPDIF digital audio

### MEMORY

- 64MB NOR flash
- 256MB DRAM

### OTHER I/O

- Two USB 2.0 high speed (embedded host)
- 10/100 BaseT Ethernet (RJ45)
- IDE connector (40-pin header)
- ISO 7816 smartcard
- IR and VFD front panel connector (5-pin header)
- Mini PCI and LocalBus connectors (for optional 3rd party 802.11 or UWB card)
- May be ordered with no tuner (user installs their own), one DVB-T tuner or one ATSC tuner
- SPI/SSI input connector (26-pin header) for optional second 3rd party digital tuner
- 8-bit digital video input connector (26-pin header)
- VoIP (RJ-11)

### DELIVERABLES INCLUDE

- Vantage 8634 board
- Linux OS
  - SDK (API and documentation, includes applicable source code)
  - Requires x86 PC with Redhat Linux
- WinCE OS
  - BSP (API and documentation, includes applicable source code)
  - GDI and DirectX framework support
- Board schematics
- Bill of materials
- Gerber files
- SMP8634 datasheet
- Debug module
- 12V DC power adapter
- Remote control

## SALES OFFICES

### U.S.A (HEADQUARTERS)

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## DISTRIBUTORS

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