

SMS1550

Product Overview



Advanced MDTV Receiver for ATSC-M/H Terminals

The SMS1550 is Siano's highly integrated MDTV receiver designed to meet the North American ATSC-M/H standard. The SMS1550 is a mature and extremely high-performance solution. It is based on Siano's vast, field-proven experience with various MDTV standards and with ATSC-M/H in particular.

Siano's SMS1550 provides best-in-class sensitivity, mobility and immunity to long-echo interference. In addition, it includes provisions for conditional access system (CAS).

The input to the SMS1550 is the broadcasted RF signal received by the antenna. The output is a demodulated, selected channel stream. This data is fed into an application processor that is capable of video and audio decompression and rendering.

The SMS1550 is complemented by Siano's Host-API software package that includes drivers and libraries for popular host processors and operating systems. This Host-API is based on Siano's vast experience with integrating MDTV into various handheld and portable devices, such as mobile phones, personal media players, portable navigation devices, PC and automotive applications.

HIGHLIGHTS

- Compliant with North American ATSC-M/H standard
- Mature, high-performance solution
- Best-in-class sensitivity and mobility
- Superior immunity to long-echo interference
- Provisions for Conditional Access (CAS) support

TARGET MARKETS

- North America

TYPICAL APPLICATIONS

- Mobile phones
- Personal media players
- Portable navigation devices
- PCs
- Automotive applications

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Advanced MDTV Receiver for ATSC-M/H Terminals

Key features:

- Compliant with ATSC A/153 standard
- Complete MDTV receiver solution:
 - Device drivers
 - Middleware for popular host processors
- On-chip provisions for Conditional Access support
- Superior mobility
- Extremely high sensitivity
- Superior immunity to tough multi-path field conditions
- RoHS compliant
- REACH compliant
- Halogen-free compliant

Form factor:

- 9mm x 9mm x 1.1mm BGA
- 0.8mm pitch

SUPPORTED STANDARDS

- ATSC A/153

SUPPORTED BANDS

- UHF/VHF (174 MHz – 806 MHz)

SUPPORTED INTERFACES

- USB
- SPI (Slave)
- SDIO (Slave)
- Serial Transport Stream (TS-S)
- General Serial (I²C-like) Control
- UART/ISO7816