



SMS1000-USB-RD

USB Mobile Digital TV Receiver – Reference Design

The SMS1000-USB-RD is an extremely low cost, small form factor USB receiver for Mobile Digital TV (MDTV) applications. It is a multi-standard, multi-band add-on accessory for USB host systems such as laptops, notebooks and pocket PCs.

The SMS1000-USB-RD allows manufacturers and designers to reduce time to market for competitive MDTV products, as well as use the SMS1000-USB-RD as a foundation for their own proprietary MDTV designs.

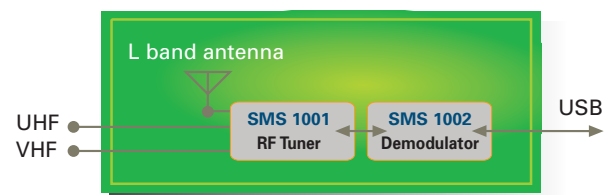
The SMS1000-USB-RD is based on Siano's MDTV receiver chipset, the SMS1000.

Key Features

- Built-in GSM filter to eliminate interference from the GSM/EDGE modem
- Built-in L band antenna
- Connectors for external VHF and UHF antennas
- Draws power from the USB bus – no need for batteries
- Extremely low power consumption (below 22mW average for DVB-H)
- Small form factor
- Support for Personal Video Recording (PVR) applications – display one program while recording another
- Includes USB device drivers for Microsoft Win XP
- Option for bundling with TV applications from partner software providers

Highlights

- Turns every laptop or Ultra Mobile PC (UMPC) into MDTV Receiver
- Field validated MDTV
- Allows superior mobility performance
- Guarantees minimal investment in R&D resources
- Ensures little development risks
- Enables fast time to market



Supported Standards

- DVB-H
- T-DMB
- DAB-IP
- DAB
- DVB-T

Supported Bands

- VHF III (170-240 MHz)
- UHF (470-862 MHz)
- L1 (1450-1492 MHz)
- L2 (1660-1685 MHz)

Supported Interfaces

- SPI
- SDIO
- USB
- CPU Parallel Bus
- General Serial Interface (GSI) I2C compatible

Specifications are subject to change without prior notice.

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