Decoders for hybrid DTT/cable/IPTV platforms

STMicroelectronics

STi716x and STi526x high-performance, multi-standard decoders integrate DVB-T and DVB-C demodulation

The STi7167 and STi7162 and their SD pin-to-pin compatible derivatives, STi5267 and STi5262, support multi-standard decoding (H.264, MPEG-2 and VC-1), and integrate the demodulation of DVB-T and DVB-C transmissions. Both devices are STi7105 code and feature compatible, and so lend themselves to the quick development of platforms to cover the analog transmission switch-off which is ongoing.
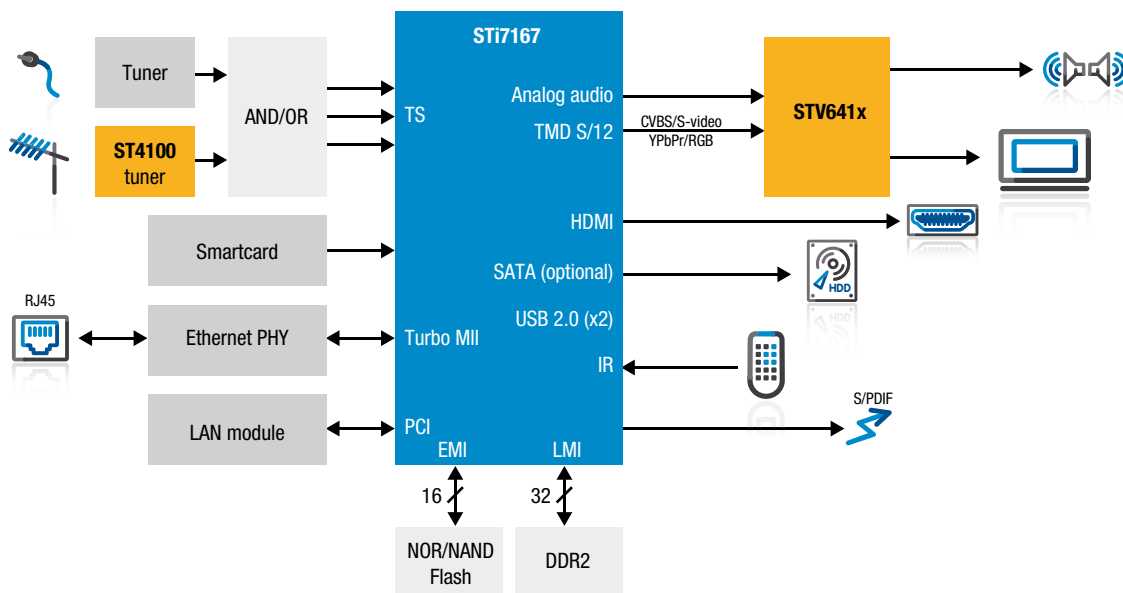

Key features

- High-performance MPEG-2 H.264 and VC-1 video decoding in HD (STi7167/STi7162) or SD (STi5267/STi5262)
- Integrated DVB-T and DVB-C demodulation
- Application CPU supports a 600 MHz clock
- Connectivity
  - STi7162/STi5262: USB 2.0, Ethernet (optional), HDMI 1.3
  - STi7167/STi5267: Extended connectivity with USB 2.0, HDMI 1.3, Ethernet (turbo MII), PCI and SATA
- Flexible distributed architecture based on ST40 CPU and ST231 video/audio DSP
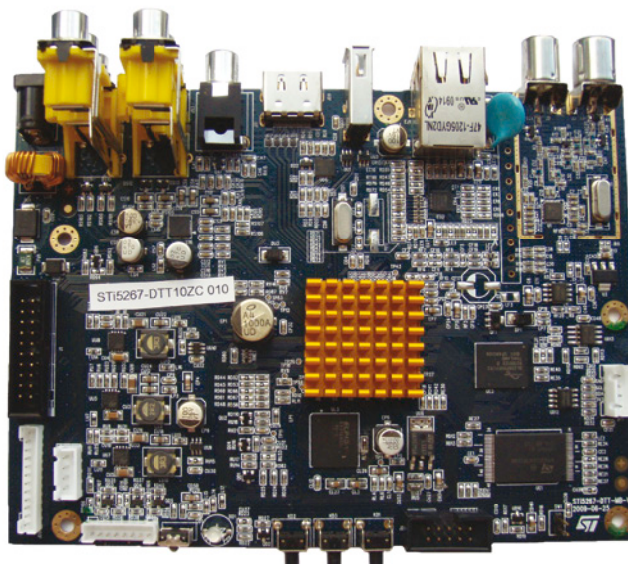- Low power consumption and standby

Key benefits

- STi7105 code and feature compatible for easy platform migration
- Integrated demodulation reduces BOM and optimizes board size
- SD version pin-compatible for fast platform derivation

Application block diagram

Design resources

The STi7167, STi7162, STi5267 and STi5262 have certified reference designs allowing a fast copy-paste approach to designing your set-top box platform. For ordering information, please contact your ST sales representative.