

PCI DVB Cable Media Center PCI-Card

Digital Video Broadcasting for ACTIVY



The European digital television transmission standard Digital Video Broadcasting (DVB) offers far more than just images. The PCI DVB C card receives high quality of digital television programs and digital radio on ACTIVY.

- Digital Television receiver board with cable interface for plug into a PCI slot
- Full DVB compatible
- Reception of free to air TV and radio stations and also optional scrambled Pay-TV reception
- Open concept through API and optional Common Interface (PCMCIA) for optional Conditional Access module
- Microsoft DirectShow/TVT architecture
- High quality digital picture and sound
- Multicast IP-data transmission up to 10 Mbps (Winsock)
- Comfortable Teletext database interface (with ActiveX-Control)
- Prepared for multiple boards in one system
- Record, playback and time shift (Playback while recording)
- API widely compatible with DVBPCI API (ActiveX-Control)
- Cost efficient
- Country-specific warranty

Data Sheet

Technical summary

- TV and radio reception according DVB-C
- MPEG2 decoding according ISO13818-1
- Teletext reception according ETS300472
- DVB-SI program data compliant to ETS300468

Interfaces

- 1x antenna connection 75Ω IEC female input
- 1x antenna connection 75Ω IEC male output

With optional Common Interface Module (Pay-TV)

- 2x PCMCIA-II slot for decryption
- Decryption by Conditional Access Module from e.g. service provider

Receiver

- RF input range 50-858 MHz
- Variable symbol rate from 1 to 6,9 MBaud

- QAM Demodulator 16/32/64/128/256 QAM
- Input signal range 37-80dBμV
- Antenna loop through gain -5 to 2 dB
- MPEG-TS demultiplexing with system CPU

PCI bridge

- MPEG-TS via PCI busmaster transfer
- CA System access
- Recording of MPEG2 data streams

Common Interface Module (optional)

- PCI slot version
- (occupies 1 PCI slot or ACTIVY Front mounting)

Software

- ActiveX Control to view video
- Teletext with database (search-, store- and filter functions within all programs)
- Teletext filter components
- Dolby Digital 5.1 via system decoder
- ACPI save-to-disk and save-to-RAM capable
- Movie and bouquet information
- Digital Videorecorder interface
- Electronic Program Guide interface
- Compatible to SW and HW MPEG2 decoder

Tools / utilities

- Programming-SDK to develop own applications
- ActiveX controls for integration into VC,VB,HTML,Director,...
- Power consumption < 4 W

Temperature range / dimensions

- Environmental temperature 15°C to 35°C (IEC 721)
- Dimensions (H x W x D) 90 x 200 x 10 mm

Compliance with standards

- Product safety IEC60950 / EN60950,
- Electromagnetic compatibility EN55022/B, EN50082-1
- CE certification acc. to EU Directives
- EMC 89/336/EEC and
- Product safety 73/23/EEC
- Environmental compatibility EPA-compliant

Supported operating systems

- Windows XP