

# CTX946 V.1 DVB-T/TV-Tuner Card with Hardware MPEG2

## Product Specification

### Main Chip:

**Philips FMD1216ME and SAA6752**

#### Features:

- DVB-T and Analog Multi-Standard TV Broadcast reception
- Hardware MPEG2 encoder Philips SAA6752
- FM radio band coverage from 87.50 MHz to 108.00 MHz
- Full frequency range from 48.25 to 863.25 MHz\*
- Ultra linear FM PLL demodulator for FM radio broadcast
- Complying CENELEC 55020, 55013 and CISPR 20 / 13
- PCI-Bus Interface
- RF-Input for TV-Antenna and FM-Radio at bracket side
- Input for Audio-In, Audio-Out, S-Video-In and composite Video-In

### TV System:

#### Intermediate Frequencies

System	DVB-T	L	L'	B/G	D/K	I
Picture carrier Or Center Frequency	36.13	38.90	33.95	38.90	38.90	38.90
Color	-	34.47	38.38	34.47	34.47	34.47
Sound 1	-	32.40	40.40	33.40	32.40	32.90
Sound 2	-	-	-	33.16	-	-
NICAM	-	33.05	39.80	33.05	33.05	32.348

#### Channel Coverage

Band	Frequency (MHz)
FM radio band	87.50 to 108.00 MHz
Low band	48.25 to 158.000 MHz*
Mid band	160.00 to 442.00 MHz
High band	442.000 to 863.25 MHz

\*Can cover down to 45.75 MHz (CH A for Ireland)

**CREATIX**  
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## CTX946 V.1 DVB-T/TV-Tuner Card with Hardware MPEG2

### Selected Features:

- Audio-In connected directly to Audio-Out by wire
- Composite Video-In
- S-Video-In
- Composite Video-In and S-Video-In are using the same input channel
- The connectors for Audio-In, Audio-Out, S-Video-In together with composite Video-In are realized as 4-Pin Headers.

### Options:

- Audio-In assembled on bracket side
- Audio-Out assembled on bracket side
- Composite Video-In assembled on bracket side
- S-Video-In assembled on bracket side



#### AUDIO-IN (White)

- 1 – Left channel-In
- 2 – GND
- 3 – GND
- 4 – Right channel-In

#### AUDIO-OUT (Red)

- 1 – Left channel-Out
- 2 – GND
- 3 – GND
- 4 – Right channel-Out

#### VIDEO-IN (Yellow)

- 1 – C-In (S-Video)
- 2 – GND
- 3 – CVBS-In (Composite Video)
- 4 – Y-In (S-Video)