

CTX953_V.1.3.1 TV/DVB-T-Tuner Card

Product Specification

Description:

CTX953_V.1.3.1 supports analog TV, DVB-T, FM and S-Video/
Composite Video-In/Audio-In internal and at the bracket side.

- PCI 2.2 compliant

RoHS Status

RoHS compliant

Main Chips:

Philips SAA7131E, TDA8275A, TDA10046

Philips SAA7131E**Features:**

The SAA7131E combines a digital global standard low IF demodulator for analog TV with a PCI audio and video decoder. The IF demodulator is an alignment-free digital multi standard vision and sound low IF signal PLL demodulator for positive and negative video modulation. It can be used worldwide for M/N, B/G/H, I, D/K and L/L' standards.

Analog/DVB-T section (Philips TDA8275A)**Features:**

- 3 Stand-by mode functions
- 1 Sleep mode function
- Low symmetrical IF output (centered at 4MHz, 4.5MHz or 5MHz) for a direct connection to the TDA8290 (IF demodulator) or the SAA7131 or SAA7171 (IF demodulator and video decoder) or channel decoder
- Fully integrated oscillators with no external components
- Fully integrated selectivity
- Crystal oscillator output buffer (16MHz) to drive the IF demodulator and digital decoder and occasionally another tuner
- Operating range from an ambient temperature of -20°C to a max ambient temperature compatible with Tjmax

TDA10046AHT:

- 2K and 8K COFDM demodulator (Fully DVB-T compliant: ETS 300-744).
- All modes supported including hierarchical modes.
- Fully automatic Transmission Parameters detection (including FFT size and Guard Interval).
- DSP based synchronization
- No extra-host software required.
- UHF/VHF Band Fast Scan.
- Digital Frequency correction (± 90 KHz)
- Frequency offset (from $\pm 1/6$ to $\pm 3/6$ MHz) automatic detection.
- Simultaneous Parallel and Serial Transport stream interfaces.
- I2C Bus interface

CREATIX
Creative Information eXchange

Creatix Polymedia GmbH
Heinrich-Barth-Strasse 3
D-66115 Saarbrücken

Telefon: +49 681 9811 300
Fax: +49 681 9811 390

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Product Specification

TV System:

Supports DVB-T and worldwide TV broadcasting PAL B/G/D/K/I, NTSC & SECAM L/L'

IO-CONNECTOR SPECIFICATION:



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Product Specification

RATINGS:

DC Input: +3.3V === 700mA
 + 5V === 450mA

PCB Dimensions:

75mm x 120mm

SYSTEM REQUIREMENT:

- Pentium IV 2.0 GHz or Higher
- 128MB of system memory or higher
- 7200rpm hard disk or above
- CD-ROM or DVD-ROM drive
- PCI/AGP/PCIe VGA graphic card
- Full-duplex sound card
- Microsoft Windows 2000/XP
- Microsoft DirectX 9 or higher