

# Toshiba DVD Video Decoder TC81203TB

The TC81203TB is a personal computer DVD video decoder with built-in PCI interface, digital copy protection, MPEG2 video decoder, sub-picture decoder and audio interface. This DVD video decoder may also be used as a video CD decoder. The built-in digital video output interface, which is compatible with numerous types of graphics board, can turn your PC into a high-quality DVD system.

## PCI interface block

- Compatible with PCI bus interface (Ver. 2.0)
- Built-in 256-byte I/O control register for internal function control and peripheral device operation



## PCI bridge (register)

- PCI configuration
- Color palette control
- Digital video output control
- Input stream control
- Serial bus control

## Copy protection

- DVD format/Support for PES hierarchical data format

## MPEG2 video decoder

- Only video stream decoded from program stream
- Compatible with NTSC and PAL formats
- Pan scan/letterbox
- High-speed playback, slow playback and pause functions

## Sub-picture support

- Integrated display of main picture and sub-picture
- ITU-R656 format digital video output
- External OSD data support

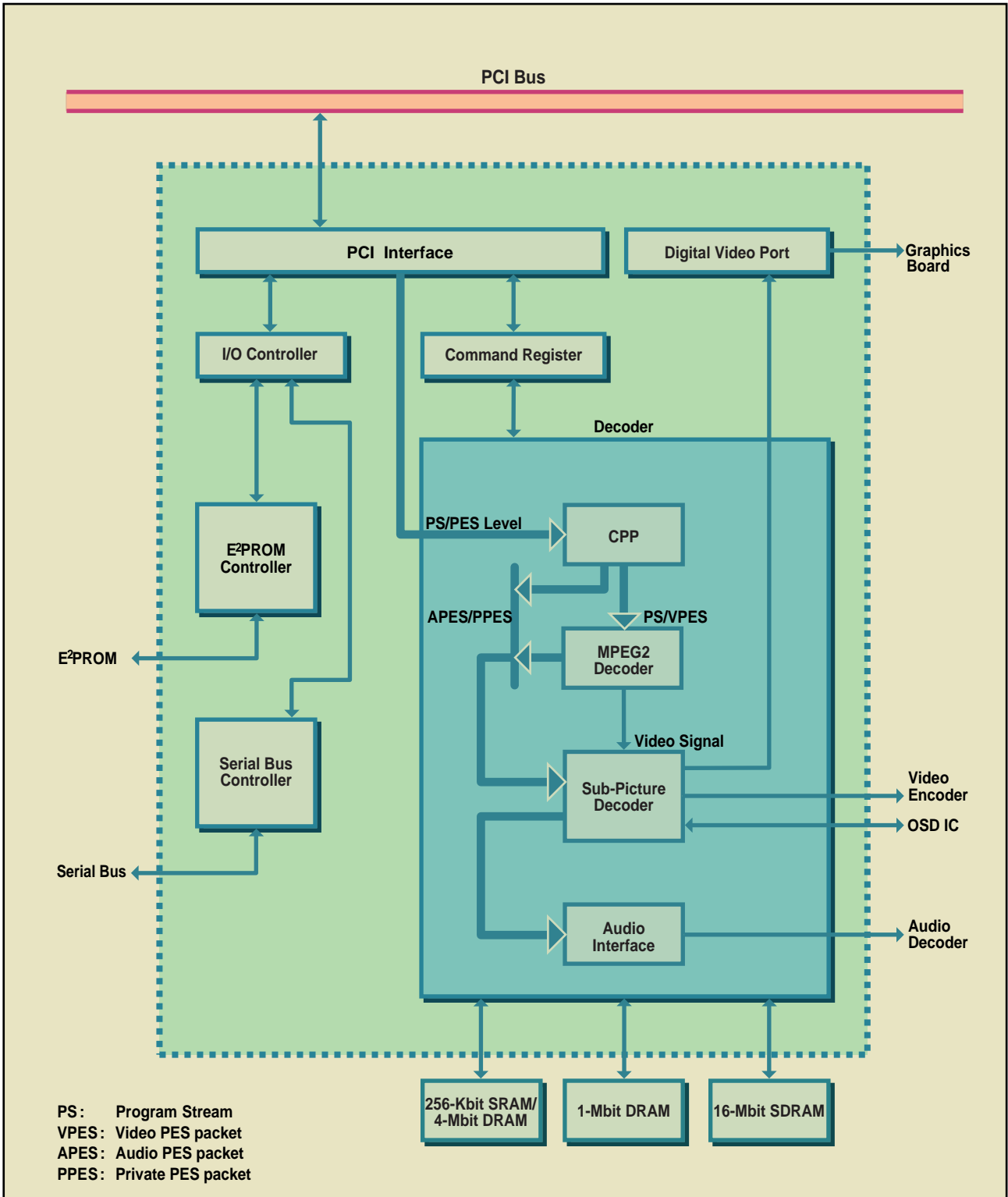
## Audio interface

- Serial port output
- Audiovisual synchronization buffer function

## Other features

- PCI universal power supply
- 27-MHz clock input for video signal
- 3.3 V/5 V supply voltage
- Compact BGA352 package

## Block Diagram



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