

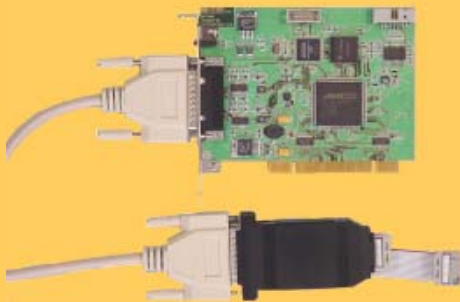
aDICE710

Low-cost high speed emulation for TI DSP

PCI emulator
for demanding
applications

ateme DSP In Circuit Emulator (aDICE 710)

- PCI board
- Pod cable up to 5m (15ft.)
- LVDS signaling (same as SCSI U160)
- Direct PCI target emulation (no need for external pod)



Full integration with Code Composer Studio

- Integrated debugging
- High speed download
- RTDX
- Plug & Play drivers

PROJECT SUPPORT

As your technology partner, ATEME offers a complete set of tools for video and imaging applications:

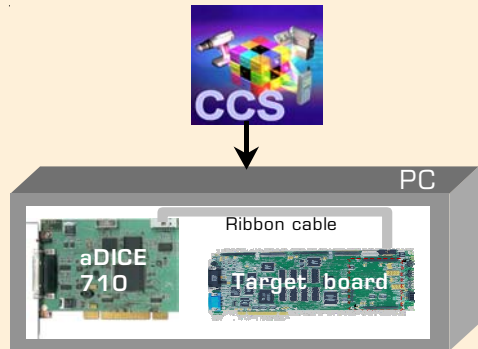
- Hardware platforms: Imaging Evaluation Kits and Digital Video Evaluation Kits,
- Audio and Video compression algorithms,
- Engineering services.

Imaging and video projects, with tests pictures, bitstreams and heavy downloads executable files need a high performance emulator.

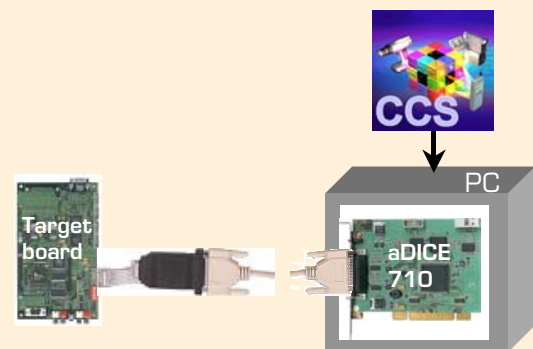
The purpose of this emulation solution is to complete the getting started tools for these applications.



Use cases



First use case:
Target board is PCI (JTAG link internal PC)



Second use case:
Target board is stand-alone (external pod usage)

KEY FEATURES

- All Code Composer Studio features supported
- Plug & Play drivers for Windows
- High performance
- Pod optional for PCI board usage (internal JTAG link)
- Pod cable up to 5 meters (15ft.)

Features

Hardware:

- PCI short board
- Internal JTAG connector: emulating PCI DSP target does not need an external pod: the PC box is kept closed
- Link to external pod uses LVDS signaling allowing pod cable up to 5 meters (15ft.)
- Compatible with 5V JTAG DSP
- JTAG clock: 5, 10, 20 or 33* MHz
- Default to automatic detection of internal or external connection (external or higher priority). Can be forced by control panel software.

(* internal mode only)

Software:

- Software breakpoints on code and data
- Hardware breakpoints (**)
- Run/Stop, single step, animated run
- High-level language (C; C++) support
- All DSP register set inspecting and editing
- All DSP memory space editing and load from store to file
- Code profiling and benchmarking
- DSP/Bios, RTDX, HS-RTDX

(**) On DSP supporting this feature

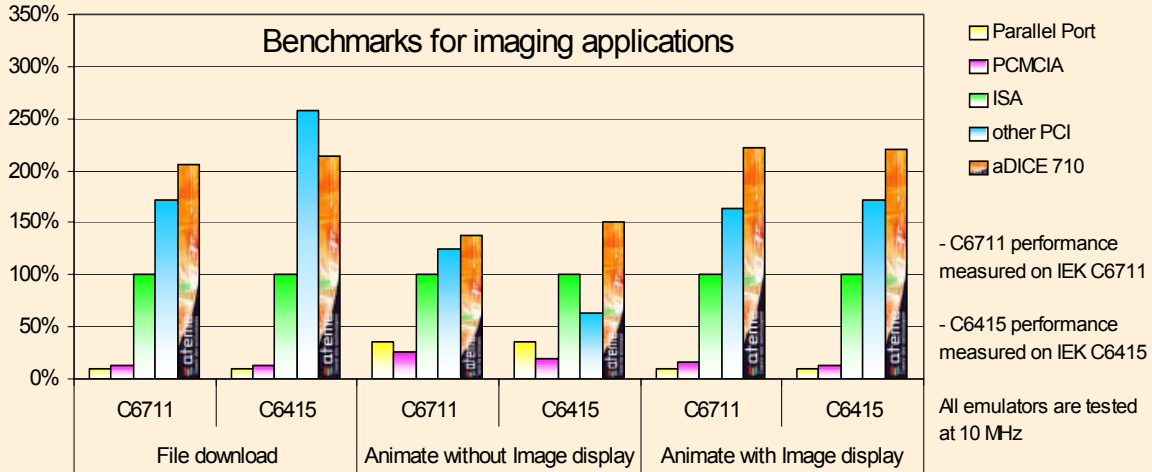
Box contents:

- PCI JTAG board
- External Pod
- 2 meters cable
- User's Manual
- Drivers for Windows XP, 2000, NT4 and 98
- 12 months technical support (limited use on AteME's hardware)
- JTAG ribbon cable

APPLICATIONS

- Code development
- Application debug
- Real Time Data Exchange

Performance



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