

## DVB-ASI TS Recorder & Player with on board SMB Connector for TS Output

### Standard Features:

- Combined DVB-ASI Input & Output Board.
- PCI 2.2, 32 bit, 33/66MHz 3.3V.
- Bus Master DMA, Scatter /Gather Interface Protocol.
- Windows 2000 & XP Drivers and now Linux Drivers & API.
- Accompanied by DVStation2 Alitronika's Application Software.
- Supports DVB According to Standard A1010 Rev1 and EN50083.
- Supports 188 & 204 byte or Arbitrary Packet Sizes.

### Input

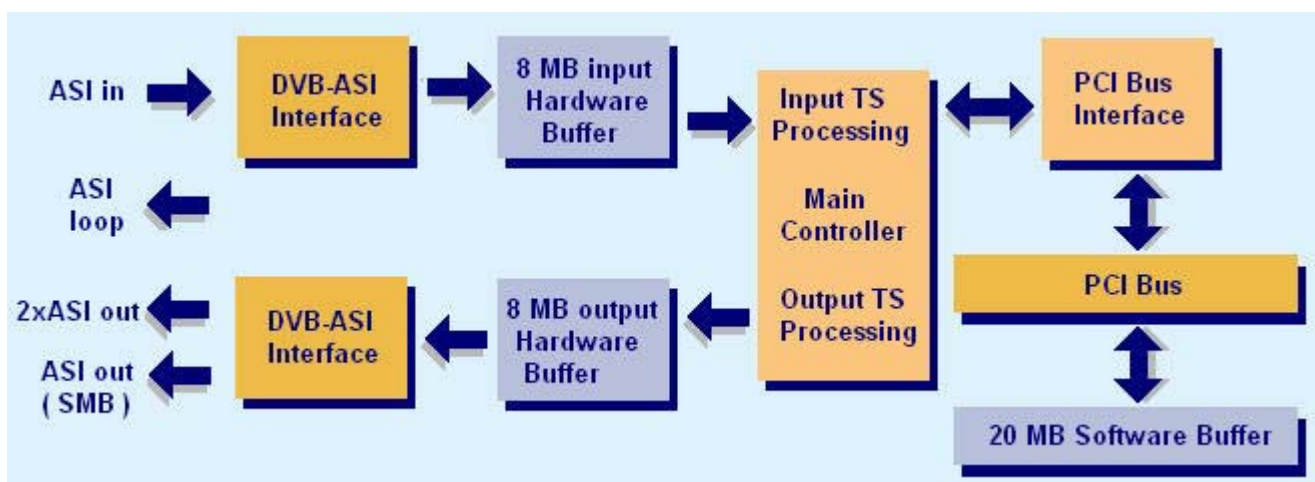
- Integrated Loop Through output.
- Automatic Cable Equalization of up to 350m.
- Supports True or Inverted ASI signals.
- Carrier and Lock Detection.
- Sync, Error & Code Violation Detection.
- PID filtering by Hardware.
- PCR Time stamping by Hardware.

### Output

- Programmable Output Bit Rate.
- Simultaneous two DVB-ASI External ( BNC ) and one Internal ( SMB ) Outputs.
- Can output True and Inverted signals.
- Supports Burst Mode, RAW Data Mode.
- Null packet insertion by Hardware.
- PCR, continuity counter correction.
- Packet time and date correction.
- Error insertion.
- Hardware Generated Null Packet or Counter Packet



### Block Diagram:



# *AT40XPCI*

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### **Applications:**

Targeted for Digital Video Professionals, Sophisticated End Users and OEMs

The AT40XPCI is an ideal solution for a number of applications such as:

- Development Tools.
- DVB to IP Gateway.
- 1 to 4 Signal Multiplier.
- Universal Interface for Digital Video or MPEG-II Transport Stream Recording, Playing and Processing.
- Video on Demand Server.
- Transport Stream Test Generator.
- High Speed Serial Data Link.
- Software Based MPEGII Encoders and Decoders.

### **Specifications:**

- On Board Buffer: 16 Mbytes
- External DVB-ASI Connector: 75 Ohms BNC.
- Internal DVB-ASI Connector: 75 Ohms SMB.
- Input Return Loss: >15 dB.
- Input Signal level: 800 mV +/- 10%
- Output Signal level: 1.0Vp-p nominal.
- DVB-ASI Input/Output Bit Rate: 0 to 214 Mbit/s.
- Bit Rate Stability: Standard: +/- 25ppm.  
Maximum: +/- 1ppm.
- DVB-ASI Output Clock: 270 MHz.
- Size WxL: 107mm x 175mm.