

## GigE + 3x ASI ports for PCI Express

- ❑ Gigabit Ethernet 10/100/1000 port
- ❑ Three bi-directional DVB-ASI ports
- ❑ Transcoding between ASI and TSolP

### FEATURES

- Transmission and reception of Transport Streams over IP networks, with transcoding between ASI and IP ports
- IP encapsulation in accordance with SMPTE 2022-1 and 2022-2
- Zero-jitter playout of multiple TSolP streams
- ASM and SSM multicast support
- Generation of two-dimensional FEC with programmable dimensions D and L and block-aligned FEC linearization
- Re-ordering and error correction of TSolP streams with programmable latency
- Time stamping of incoming IP packets to enable TSolP jitter analysis
- Uniform software access to ASI- and TSolP ports with DTAPI
- Comes with NDIS network driver



### APPLICATIONS

- Contribution, primary distribution over IP
- Multipurpose ASI/TSolP stream station
- Jitter measurements of TSolP streams
- General-purpose ASI and TSolP inputs and outputs for OEM applications

### KEY ATTRIBUTES

Parameter		Value
TSolP	Physical layer	IEEE 802.3ab
	Data rate	10/100/1000
	Connector	RJ-45
	Maximum TS rate	600Mbit/s
	Parallel TSolP streams	100+*
ASI	Physical layer	DVB-ASI (coax)
	Connector	75-Ω BNC (3x)
	Rx or Tx bitrate	0 .. 214Mbit/s
	Resolution	< 1bit/s
Transport packets per IP		1,2,3,4,5,6 or 7
TSolP Protocol		UDP or RTP
TSolP FEC and Encapsulation		SMPTE 2022
Transcoding rate		0 .. 200Mbit/s
PCI Express		v1.1; PCIe x4

\* Limited only by cumulative TS rate and PC resources

### RELATED PRODUCTS

Type	Description
DTA-160	GigE + 3x ASI ports for PCI
DTE-3100	Networked ASI output adapter
DTE-3120	Networked ASI input adapter

### PC REQUIREMENTS

OS	XP/2k3/Vista/2k8/7, Linux
Platform	P4@2GHz, 1GB RAM

### ORDERING INFORMATION

Type	Description
DTA-2160-SDP	Gigabit TSolP and triple ASI adapter for PCI Express bus with <i>DiTV</i> , <i>DiGrabber+</i> and <i>StreamXpress</i>
DTA-2160-SXP	DTA-160-SDP plus <i>StreamXpert</i>