

DekTec Advanced Dual GigE Card

DekTec DTA-2162



- Advanced network card with two GigE ports for PCIe with DtGrabber+, DtTV and StreamXpress software

KEY FEATURES

- Hardware-assisted zero-jitter play-out of many IP streams
- Double buffering of a single logical TS on two network ports, for highly available systems
- Checksum computation and insertion in hardware, offloading the CPU
- Generation of two-dimensional FEC for outgoing IP streams with programmable D and L
- Advanced IPv4/IPv6 address matcher in hardware to offload the driver
- Checksum validation
- Combination of two redundant RTP streams into one for highly available systems
- Time stamping of incoming IP packets for jitter analysis and monitoring

APPLICATIONS

- Advanced network interface for IP-based DTV processing systems on PC servers
- Highly available IP systems

SPECIFICATIONS

GIGABIT ETHERNET PORTS

Physical layer:	EEE 802.3ab
Data rate:	100/1000 auto sense
Connector:	RJ-45 with LEDs
IP:	IPv4, IPv6, IGMP v3
VLAN:	IEEE 802.1Q
Transport Streams:	Unlimited
Aggregated TS rate:	max. 950Mbit/s
Protocol:	UDP or RTP + opt. FEC, Unicast of Multicast

**Limited only by cumulative TS rate and PC resources*

GENERAL

OS:	Win XP/2k3/Vista/2k8/7, Linux 2.6, 3.x, 32 and 64bit
PCI compliancy:	PCI Express v1.1, PCIe x 4