

DTA-545

DVB-ASI Input+Output Adapter for PC/104-Plus

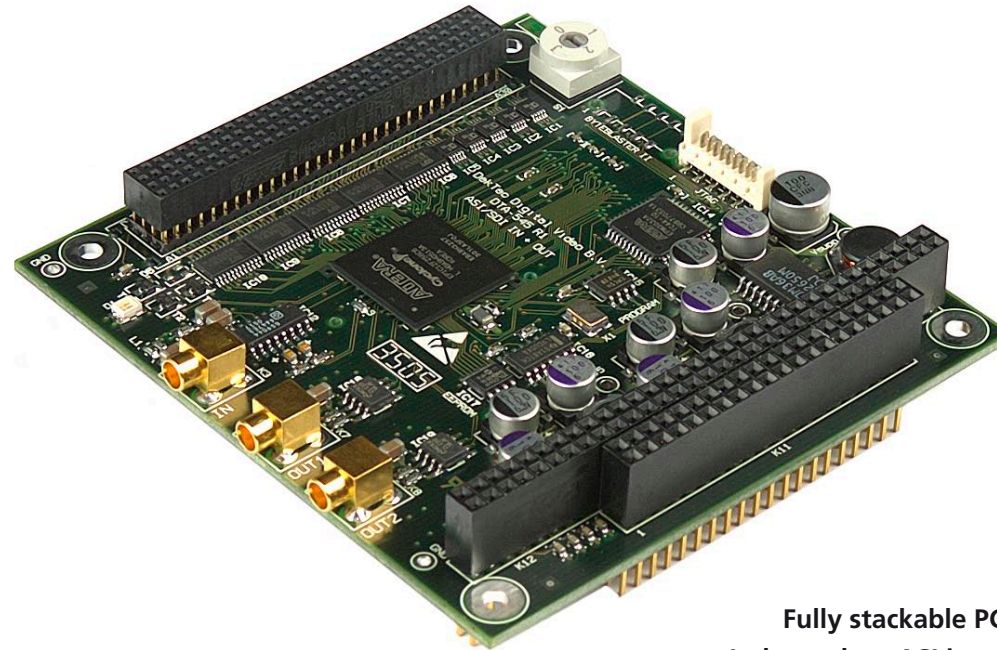
PC/104-Plus

Features

- High-speed input and output, compliant to DVB-ASI as defined in EN50083-9
- Parallel, independent operation of input and output channel at the full DVB-ASI bitrate range from 0 to 214 Mbit/s
- Adaptive cable equalisation
- Packet-arrival time stamping
- Synchronised and raw receive modes
- Counters for bitrate measurement, 8B/10B code violations and synchronisation errors
- 16-Mbytes input buffer for large jitter tolerance; independent 16-Mbytes output buffer
- Double-buffering: DVB-ASI output available on two SMZ connectors
- Free drivers and SDK (DTAPI) for Linux, Windows XP/2k3/Vista and .NET
- Software-compatibility with other DekTec interface adapters on DTAPI level
- Stackable PCI and ISA connectors

Applications

- Universal DVB-ASI input/output adapter for embedded applications



Fully stackable PC/104-Plus module
Independent ASI input and output port
16-MB input buffer, 16-MB output buffer

Key Attributes

Parameter	Value
Physical layer	DVB-ASI (coax) EN50083-9
DVB-SPI connector	75-Ω SMZ (3x*)
Transmit bitrate	0 .. 214Mbit/s
Transmit bitrate Resolution	<1bit/s
Transmit bitrate Stability	±2ppm
Maximum transmit jitter**	70ns p-p
Receive bitrate	0 .. 214Mbit/s
Input return loss	>15dB
Error-free cable length	300m max
PC/104-Plus compliancy	r2.5, 3.3/5V, 33MHz

* 1x input, 2x output (doubly-buffered channel)

** In continuous mode

Related Products

Type	Description
DTA-145	Dual ASI/SDI adapter for PCI
DTA-2145	Dual ASI/SDI adapter for PCI Express

Ordering Information

Type	Description
DTA-545	ASI input+output adapter for PC/104-Plus, OEM version
DTA-545-SDP	ASI input+output adapter for PC/104-Plus with <i>DtGrabber+</i> , <i>DtTV</i> and <i>StreamXpress</i>
DTA-545-SXP	DTA-545-SDP with <i>StreamXpert</i>