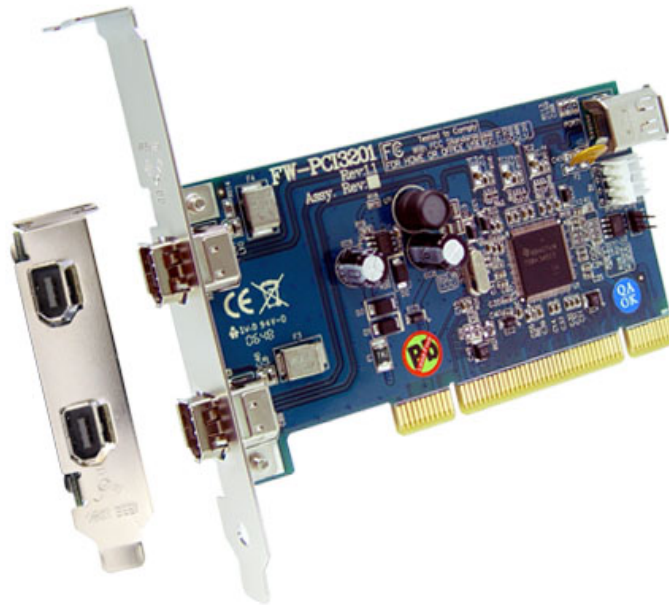




1394

FW-PCI3201



Low profile 1394a adapter for the PCI bus.

IOI's economical low profile three port 1394a Card offers users the ability to externally connect up to two cameras of the AVT's wide range of 1394a cameras such as Marlin, Guppy and Oscar with clamp locking cables to their PC in a very painless and simple way. PCI 32 Bit theoretical bandwidth¹ of up to 132 MByte/s ensures low latency transmission of the up to 32 MByte/s of video data at full speed. This makes this economical interface card ideal for many space-critical applications with today's PC's.

Highlights

- Fully compliant with PCI 2.x at 3.3V and 5V signalling environment
- Supports 33 MHz 32 bit specification
- Up to 132 MByte/s PCI transfer bandwidth
- Up to 32 MByte/s total 1394a bus bandwidth
- Up to four cameras (DMA's) parallel acquisition (bandwidth sharing)
- Compliant with IEEE 1394a (2000)
- 1394a data transfer rate up to 400 Mbit/s
- Easy plug & play
- Suitable for clamp locking cables
- Supports Windows and Linux O.S.
- Compatible with all AVT 1394a cameras
- Upwards compatible with AVT's 1394b cameras
- Compatible with all AVT 1394 software packages
- Additional power in connector to supply extra power for multi camera applications

¹ Practical bandwidth is lower and dependent on individual systems/software conditions; M = Mega = 1.000.000

Technical Specifications

Feature	Description
Adapter type	1394a PCI
1394 chipset	TI single chip Texas Instruments TSB43AB23
Interface	PCI 2.x
Ports	2x 1394a external 1x internal, supplying bus power (max. 1350 mA) per port, but not more than 1500 mA in total
Speed	100, 200, 400 Mbit/s transfer rate
Bandwidth	50/40/32 MByte/s at 400 Mbit/s (gross/net/video)
# cameras (DMA's)	<= 4
OS support	Windows XP, 2003, 7; Linux 2.4.x/2.6.x
Compliance	FCC, CE, RoHS
Power	8 - 36V DC, supplying bus power up to 1.5A max.
Dimensions	120 mm x 120 mm (80 mm x 120 mm low profile)
Mass	80 g
External power in	12 V ² - 36 V DC (cable adapter included)
Operating temp.	+5°C ... 50°C
Compatibility	AVT FirePackage, AVT Direct FirePackage, AVT Fire4Linux
Options: cables	various lengths, w or w/o clamp locking at either sides, sold separately

Ordering numbers:

OHCI Triple Adapter IOI-FW3201	PCI-card OHCI IEEE1394, 3 connectors (2 extern, 1 intern)	K0000361
slot bracket IOI BR-00194	low profile slot bracket for FW-PCI3201 (K0000361)	K0000364

Cable-Options:

Cable -2x Interlock	IEEE1394a; (2x Interlock) 4.5 m, for Marlin / Oscar / Guppy	K1200064
Cable -2x Interlock	IEEE1394a; (2x Interlock) 10 m, for Marlin / Oscar / Guppy	K1200163
Cable -2x Interlock	IEEE1394a; (2x Interlock) 12.5 m, for Marlin / Oscar / Guppy	K1200165
Cable -2x Interlock	IEEE1394a; (2x Interlock) 17.5 m, for Marlin / Oscar / Guppy	K1200162

Notes:

Molex clamp locking (aka Interlock) is suitable for AVT Marlin, Guppy, Oscar.

² Parallel wiring of PC power supply is possible, that means ext. voltage must **not** exceed internal PCI bus voltage due to modified circuitry.