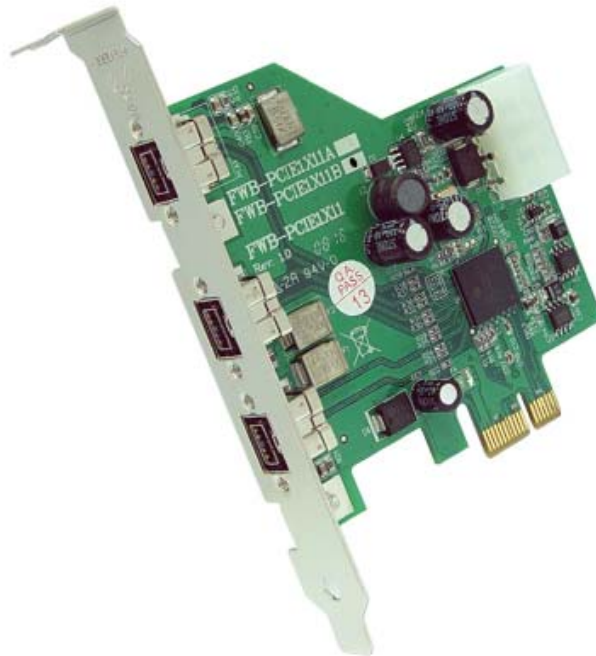# 1394

FWB-PCIE1x11B

Your industrial 1394b card with PCI Express.

IOI's PCI Express adapter with three 1394 bilingual connectors with screw locking offers users the ability to connect AVT's high end cameras, especially of the Stingray and Pike families, to their PC in a very simple way. PCI Express bandwidth of up to 250 MByte/s[1] ensures low latency transmission of the up to 64 MByte/s of video data at full speed from AVT's 1394b cameras. **Marlin**, **Dolphin**, **Guppy** and **Oscar** cameras can also be connected by the use of legacy cables.

[1] Practical bandwidth is lower and dependent on individual systems/software conditions. Mega = 1.000.000

Highlights

- Up to 64 MByte/s bus video bandwith
- Compliant with IEEE 1394b (2002)
- Backward compatible with IEEE 1394a (2000)
- Easy plug & play, no driver required
- Compatible with all AVT 1394b cameras
- Compatible with all AVT 1394a cameras by the use of legacy cables
- Compatible with all AVT Software Packages[2]
- Power in connector to supply power
- Screw locking for 1394b ports

[2] For details refer to the corresponding releases

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Technical Specifications

Feature	Description
Adapter Type	PCI Express Card with three 1394b cable ports
Host Controller	Texas Instruments XIO2213A
Interface	PCI Express, 1-lane
Ports	3 x 1394b, screw locking[3], supplying bus power (max. 1500 mA) per port
Speed	100, 200, 400, 800 Mbps transfer rate
Bandwidth	100/80/64 MByte/s at 800 Mbps (gross/net/video)
# cameras (DMA's)	up to 4 (External repeater for more than 3 required)
Compliance	**FCC, CE,** RoHS Directive (2002/95/EC)
Dimensions	85 mm x 120 mm
Weight	52 g
External power in	12 V – 32 V DC (big IDE 4-pin cable adapter included[4])
Options: Cables	copper cables various lengths, with or without screw locking at both sides, sold separately

Ordering information:

FWB-PCIE1x11B	3x 1394b to PCI-Express Host Adapter, industrial	K0000384

Cable options:

Cable IEEE 1394b 9P –9P; 4.5 m	Non-locking	K1200122
Cable IEEE 1394b 9P –6P; 4.5 m	Legacy, non-locking	K1200124
Cable 5.0m 9-Pin-9-Pin, industrial	IEEE 1394b; 2 x screw lock, 5.0m, black, 2 x ferrite	K1200133
Cable 7.5m 9-Pin-9-Pin, industrial	IEEE 1394b; 2 x screw lock, 7.5m, black, 2 x ferrite	K1200134

Notes:
Different locking cables available upon request.

[3] Screw locking: Do not apply excessive force in order not to damage port or threads. There remains a gap between the connector and the plug.
[4] External power is required, when connecting more than one 1394b per card.

Design and specification of the described product(s)
are subject to change without notice.

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