

Press Release

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Subject: :

RATOC Systems, Inc announces the company are shipping FireWire/IEEE1394 hardware/software full lineup solutions for Desktop computer.

RATOC Systems, Inc.(Osaka Japan) and ***RATOC Systems International, Inc.***(SanJose, USA) have been shipping FireWire/IEEE1394 PCI board to world wide market since December'98. This product is the first OHCI1.0 based and 400Mbps supports host adapter product and now getting the pole position of de facto standard of FireWire/IEEE1394 host adapter products. The company will launch and enhance the product line with two new products, the first one (***PCIFS3***) is a FireWire/IEEE1394 and Ultra-Wide SCSI combo PCI board for Windows98/2K PC market and MacOS8.6/9 market, the second one (***PCIFU1***) is a FireWire/IEEE1394 and USB1.1 combo PCI board for MacOS8.6/9 market. Also the company announces FireWire/IEEE1394 products for Industrial and Laboratory application field.

1. New hardware solutions for Industrial/Laboratory application.

- IEEE1394/Optic Fiber transceiver .

This product expands IEEE1394 cable limitation (4.5m/15ft) up to 100m/333ft with Optic Fiber technology and provides the solution in Robot eye, Remote sensing applications.

2. New IEEE1394 software library for Industrial/Laboratory application.

- Linear CCD camera client driver and library for Windows98/98SE/2K and MacOS8.6/9.

- Linear CCD camera capture Plug-in driver for Adobe Premire and Photoshop.

Products features

1. PCIFW1

PCIFW1 is developed for Windows98 PC system as the first commercial base OHCI1.0 compliant products. It has been shipping since the middle of December'98. And provides the good connectivity with DVCAM, IEEE1394 device and Digital Home Audio/Video Equipment to Windows98 PC. The company usually contact to Japanese DVCAM manufacturers (SONY, Panasonic, Canon, JVC, SHARP....) to continue compatibility testing.



The main features of **PCIFW1** are:

(1) Guarantee High performance.

- OHCI 1.0 compliant architecture Link layer chip.
- Supports totally 13 DMA ch.(include isochronous 4ch. Asynchronous 2ch.)
- Supports Physical DMA and DMA Context processing engine.
- These DMA engine reduces driver software overheads and provide high performance data transfer capability, multi channel isochronous transfer and large size SBP2 data packet.
- 400Mbps 3ports PHY chip.

Fully support the backward compatibility with 1394.1995 device.

(2) Guarantee quality.

- Ready for PCI Power Management 1.0 and ACPI.
- Includes PMCR(Power Management Capability Registers) inside.
- Fully compliant PCI 2.1 specifications.
- 5 years warranty PCI Board (except cable).

(3) Guarantee user friendly feature.

- Provide Two 4P-DV ports and one 6P IEEE1394 ports. All ports supports up to

400Mbps each.

-If necessary, Cable Power (Class_1, DC12V/1.5A) is available at 6P port.

(HDD power cable required.)

(4) Compatibility.

- Windows98, Windows98 Second Edition, Windows2000.

– DVCAM (Tested in our lab.)

SONY

DCR-TRV5/5E, DCR-TRV-7,DCR-TRV-9, DCR-TRV10,DCR-TRV110,

DCR-TRV310K,DCR-TRV900,

DCR-PC1,DCR-PC2,DCR-PC3,DCR-VX1000

DVMC-DA1(Media Converter)

Panasonic

NV-C1,NV-C2,NV-C3,NV-DC100,NV-DJ100,NV-DS9

Canon

Optura, Elura, Vistula, ZR, XL-1

JVC

GR-DVX7, GR-DVM50U, GR-DVM70U

- Digital Still Camera

SONY DKC-FP3

(5) Bundled software.

-SONYDVCR.SYS DVCAM client driver for Windows98.

-Ulead VideoStudio3.0/DV non-linear video editing software.

-RSDVCAP.exe Video capture, preview and export application software.

-RSDVStill.exe Still image capture application software.

-CompressAVI.exe DV-video format file conversion software.

-Premire5,1LE will come with the box (available in 1Q'00).

For more information, please access to

<http://www.ratocsystems.com> or <http://www.rexpccard.co.jp/english/products/>

2. PCIFS3

PCIFS3 is developed for DTP or Video Editing professional user, and for both Windows98 / Windows98SE / Windows2000 PC and Apple White G3 PowerMac/MacOS8.6 market. The

product is unified latest FireWire(IEEE1394) hardware, software architecture, technologies and Ultra-Wide SCSI technologies. It has a good connectivity not only with DVCAM, FireWire device, Digital Home Audio/Video Equipment but also Ultra-Wide SCSI device, Ultra-SCSI device and SCSI-1 device. The company usually contact to Japanese DVCAM manufacturers (SONY, Panasonic, Canon, JVC, SHARP....) to continue compatibility testing.



The main features of **PCIFS3** are:

(1) Guarantee High performance.

- OHCI 1.0 compliant architecture Link layer chip.
- Supports totally 13 DMA ch.(include isochronous 4ch. Asynchronous 2ch.)
- Supports Physical DMA and DMA Context processing engine.
- These DMA engine reduces driver software overheads and provide high performance data transfer capability, multi channel isochronous transfer and large size SBP2 data packet.
- 400Mbps 3ports PHY chip.

Fully support the backward compatibility with 1394.1995 device.

(2) Guarantee quality.

- Ready for PCI Power Management 1.0 and ACPI.
- Includes PMCR(Power Management Capability Registers) inside.
- Fully compliant PCI 2.1 specifications.
- 5 years warranty PCI board (except cable).

(3) Guarantee user friendly feature.

- Provide Two 4P-DV ports and one 6P IEEE1394 ports. All ports supports up to

400Mbps each.

-If necessary, Cable Power (Class_1, DC12V/1.5A) is available at 6P port.

(HDD power cable required.)

(4) **PCIFS3U** Compatibility.

- Windows98, Windows98 Second Edition, Windows2000.

– DVCAM (Tested in our lab.)

SONY

DCR-TRV5/5E, DCR-TRV-7,DCR-TRV-9, DCR-TRV10,DCR-TRV110,

DCR-TRV310K,DCR-TRV900,

DCR-PC1,DCR-PC2,DCR-PC3,DCR-VX1000

DVMC-DA1(Media Converter)

Panasonic

NV-C1,NV-C2,NV-C3,NV-DC100,NV-DJ100,NV-DS9

Canon

Optura, Elura, Vistula, ZR, XL-1

JVC

GR-DVX7, GR-DVM50U, GR-DVM70U

- Digital Still Camera

SONY DKC-FP3

-Ultra-Wide SCSI devices.

-Ultra SCSI devices.

-Fast SCSI devices.

(5) **PCIFS3U** Bundled software.

-SONYDVCR.SYS DVCAM client driver for Windows98.

-Ulead VideoStudio3.0/DV non-linear video editing software.

-RSDVCAP.exe Video capture, preview and export application software.

-RSDVStill.exe Still image capture application software.

-CompressAVI.exe DV-video format file conversion software.

-Premire5,1LE will come with the box (available in 1Q'00).

(6) **PCIFS3P** Compatibility

-White PowerMac G3 1998 Model.

-MacOS8.6 or later.

- QuickTime4.

- FireWire 2.1 or later.

- Video Editing software.

Apple Final Cut Pro, Adobe Premiere 5.1B, Digital Origin EditDV 1.6.1
– DVCAM (Tested in our lab.)

SONY

DCR-TRV5/5E, DCR-TRV-7, DCR-TRV-9, DCR-TRV10, DCR-TRV110,
DCR-TRV310K, DCR-TRV900,
DCR-PC1, DCR-PC2, DCR-PC3, DCR-VX1000
DVMC-DA1 (Media Converter)

Panasonic

NV-C1, NV-C2, NV-C3, NV-DC100, NV-DJ100, NV-DS9

Canon

Optura, Elura, Vistula, ZR, XL-1

JVC

GR-DVX7, GR-DVM50U, GR-DVM70U

-Digital Still Camera

Kodak DCS660, DCS620, DCS560, DCS520, DCS330, DCS315

Canon D2000, D6000

Nikon D1

-FireWire Storage Device.

VST FireWire Hard Disk

Lacie FireWire Hard Disk

MacTell FirePower Hard Disk

Yano FireWire Hard Disk, MO drive.

SONY Spessa FireWire CD-RW.

-Ultra-Wide SCSI devices.

-Ultra SCSI devices.

-Fast SCSI devices.

(7) **PCIFS3P** Bundled software

-REX-PCIFS Driver (OHCIFWIM)

-REX-PCIFS Enabler

-Apple FireWire Support 2.1 or later

-Apple QuickTime 4.0

-EditDV 1.6.1 45 days trial version.

-Adobe Premiere 5.1c bundled box will be available in 1Q'00.

For more information, please access to

<http://www.ratocsystems.com> or <http://www.rexpccard.co.jp/english/products/>

Pricing and Availability

PCIFW1U and **PCIFS3** are already available in US, Europe, Asia and Japanese retail market. Other products will be available in 1Q'00.

The estimated street price in US is US\$157(**PCIFW1U**) and US\$449(**PCIFS3U/P**).

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Company profile.

RATOC Systems, Inc was founded in 1983. The company has 9 years experience of PC Card(PCMCIA products.) business, developing hardware and software, manufacturing, sales to both retail and OEM market in Japan. They design original ASIC for PC Card, hardware and develop Device Driver, utility and application software for DOS, Windows and MacOS market. The company have shipped over half million PC Cards and 0.3 million PCI board products. The company is famous in Japan as one of leading PC Card company, also is a member company of PCMCIA, JEIDA, PCI SIG, USB IF, CFA and SSFDC forum, and all products are compliant these standards. The company founded the subsidiary company in USA in February '99 and started to sell to worldwide market.