Press Release

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Subject: :

 RATOC Systems,Inc is showing demo of FireWire/IEEE1394 hardware/software full lineup solutions for Laptop computer, USB peripherals. And announces future IEEE1394/FireWire products lineup.

RATOC Systems, Inc.(Osaka Japan) and **RATOC Systems International, Inc.**(SanJose, USA) have been shipping FireWire/IEEE1394 CardBus PC Card and PCI board to world wide market since December'98. These products are first and best selling FireWire/IEEE1394 PC Card host adapter products and now getting the pole position of de facto standard of FireWire/IEEE1394 host adapter products. The company announces at this COMDEX/Fall'99 they will release new hardware/software solutions for Video editing and Industrial/Laboratory applications in the first Quarter of 2000.

1. New FireWire/IEEE1394 host adapter CardBus PC Card **CBFW3**.

    -Unique dongle less monocock frame with two 6P FireWire/IEEE1394 port, one Cable Power Jack. You can plug it into TYPE-II PC Card socket.

    -1394-1995,1394.a compatible, supports 400Mbps data transfer.

    -OHCI1.0 and PC Card standard 7.0 compliant.

    -PHY Repeater function is always active at Laptop is in power down mode (cable power required).

    -Provide Class_1 cable power through IEEE1394 connector (Power Adapter required).

    -Compatible with Windows98, Windows98SE, Windows2000 and MacOS8.6/9.

2. New FireWire/IEEE1394 and Ultra-Wide SCSI combo host adapter PCI board **PCIFS3**.

    -Three FireWire/IEEE1394 port available, one 4P-DV external, one 6P external and one 6P internal.

    -Two Ultra-Wide SCSI port available, one 68P external and one 68P internal.

-1394-1995,1394.a compatible PHY, supports 400Mbps data transfer.

-OHCI1.0 and PCI 2.1 compliant Link chip and PCI bridge chip.

-Provides Class_1 cable power through IEEE1394 connector (HDD Power cable
 required).

-Available up to 40MB/Sec. Ultra-Wide SCSI bus transfer speed.

-Compatible with Windows98, Windows98SE, Windows2000 and MacOS8.6/9.

-Bundled software

   PCIFS3U for Windows98, 98 Second Edition and Windows2000

     DVCAM driver (SONYDVCR.SYS) for Windows98.

      Video capture, preview and export application software.

     Still image capture software.

     Video file format conversion software.

     Linear Video editing software(Ulead VideoStudio).

     SCSI HD/Removable media format utility.

   PCIFS3P for MacOS8.6/9

     OHCIFWIM driver.

     FireWire Support 2.2

     QuickTime4.0

     SCSI HD/Removable Media format and mount utility.

3. New FireWire/IEEE1394 and USB1.1 combo host adapter PCI board *PCIFU1*.

  -Three FireWire/IEEE1394 port available, one 4P-DV external, one 6P external and
 one 6P internal.

  -Two USB1.1 port available, support Full Speed (12MB/Sec.) mode.

  -1394-1995,1394.a compatible PHY, supports 400Mbps data transfer.

  -OHCI1.0 and PCI 2.1 compliant Link chip and PCI bridge chip.

  -Provides Class_1 cable power through IEEE1394 connector (HDD Power cabele
 required).

  -Compatible with Windows98, Windows98SE, Windows2000 and MacOS8.6/9.

  -Bundled software

    PCIFU1U for Windows98, 98 Second Edition and Windows2000

      DVCAM driver (SONYDVCR.SYS) for Windows98.

       Video capture, preview and export application software.

      Still image capture software.

      Video file format conversion software.

      Linear Video editing software(Ulead VideoStudio).

PCIFU1P for MacOS8.6/9
    OHCIFWIM driver.
    USB Adapter Card support 1.3.
    FireWire Support 2.2
    QuickTime4.0

4. New FireWire/IEEE1394 to Ultra-SCSI converter **FireREX-S1**.
  -Two 6P FireWire/IEEE1394 port and one Ultra-SCSI 50p High-density connector are available.
  - 1394.a compatible up to 400Mbps.
  - Up to 20MB/Sec. Data transfer on Ultra-SCSI bus.
  - Small Mini-DV tape size.
  - No external power required, operates with Cable power.
  - Just fit for Ultra-SCSI external Hard Drive, MO, ORB and removable drive.
  - MacOS8.6/9 or Windows98 Second Edition required.

5. 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.

6. 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 Premiere and Photoshop.

Demo at COMDEX/Fall'99

At COMDEX/Fall'99 the company is showing demo of the products as follows.

The company appeals to the visitor the advantage of **CBFW1**, **CBFW2**, **CB31**, **SMA03** and **CF03**. Also the company shows the FireWIre/IEEE1394 solution for the Laptop computer.

Demo #1: **CBFW1** and **CB31** with Windows98 Second Edition Laptop (Dell Inspiron 7000).
   -Capture DV-data stream from DVCAM onto ORB Ultra-SCSI removable media directly.
   -Capture DV-data stream from DVCAM onto VST FireWire Hard Disk directly.
   -Export DV-data stream from Castlewood ORB Ultra-SCSI removable media to DVCAM.
   -Non linear digital video editing software—Ulead VideoStudio, Adobe Premire5.1.
   -Optic Fiber link adapter between DVCAM and CBFW1U.
   -USB SmartMedia reader/writer **SMA03U**.

Demo #2: **CBFW1** and **CB31** with Windows98 Laptop (Toshiba Satellite2595XDVD)
   -Capture DV-data stream from DVCAM onto ORB Ultra-SCSI removable media directly.
   -Capture DV-data stream from DVCAM onto VST FireWire Hard Disk directly.
   -Export DV-data stream from Castlewood ORB Ultra-SCSI removable media to DVCAM.
   -Non linear digital video editing software—Ulead VideoStudio, Adobe Premire5.1.
   -USB Compact Flash resder/writer **CF03U**.

Demo #3: **CBFW2** and **CB31** with MacOS8.6(PowerBook G3/266)
   -Capture DV-data stream from DVCAM onto ORB Ultra-SCSI removable media directly.
   -Capture DV-data stream from DVCAM onto Lacie FireWire Hard Disk directly.
   -Export DV-data stream from Castlewood ORB Ultra-SCSI removable media to DVCAM.
   -Non linear digital video editing software—Adobe Premire5.1C, EditDV 1.6.1 and Apple
    Final Cut Pro.

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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.