Press Release

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Subject: :

RATOC Systems,Inc announces USB2.0 Host Adapter full lineup solutions for Laptop/Desktop PC.

RATOC Systems, Inc.(Osaka Japan) and *RATOC Systems International, Inc.*(SanJose, USA) show USB2.0 Host Adapter products at **Booth S2577(SECC)** and **USB pavilion**.
The product lineup includes:

   CBU2 : USB 2.0 Host Adapter CardBus PC Card with two on board USB ports and one
        Bus Power jack.

   CBU5 : USB 2.0 Host Adapter CardBus PC Card with the dongle having five USB ports
        and one Bus Power jack.

   PCIU2 :USB2.0 Host Adapter PCI board with two on board ports.

   PCIU5 :USB2.0 Host Adapter PCI board with two on board ports and the 3.5 inch front bay
        extension unit having three USB ports.

Products features

1. CBU2

CBU2 is developed for Laptop PC, and based on latest USB2.0 hardware, software architecture and technologies. The card is fully compatible with Microsoft standard USB2.0 drivers. And provides the good connectivity with current existent USB1.1 compliant devices. The card uses PC card Type2 Extension frame. The frame includes two on board USB Type-A port connectors and one Bus Power cable jack. The card can provide USB Bus Power up to 300mA through both two ports. If the Bus Power adapter is attached to the jack, the card can provide up to 500mA through each port.

The main features of *CBU2* are:
  (1) Guarantee High performance.
     - USB2.0/EHCI, USB1.1/OHCI compliant architecture controller chip.
     - Full backward compatibility with USB1.1 devices.
     - Supports High speed(480Mbps), Full speed(12Mbps) and Low speed(1.5Mbps).
     - Supports USB device Plug & Play and Power Management.
  (2) Guarantee quality.
     - Ready for PCI Power Management 1.1, CardBus Power management 1.0 and ACPI.
     - Includes PMCR(Power Management Capability Registers) inside.
     - Fully compliant PC Card standard 7.0 CardBus specifications.
     - 5 years warranty PC Card (except dongle, cable).
  (3) Compatibility.
     - Windows2000 USB 2.0 driver.
    -CardBus enabled PC Card Type-II socket required.

2. CBU5

CBU5 is developed for Laptop PC, and based on latest USB2.0 hardware, software architecture and technologies. The card is fully compatible with Microsoft standard USB2.0 drivers. And provides the good connectivity with current existent USB1.1 compliant devices. The card has the dongle which has five Type-A USB port connectors and Bus Power jack. The card supports High-Speed (408Mbps) USB2.0 devices at each ports. And Bus Power adapter (DC +5V, 2.5A) can provide Bus Power up to 500mA at each port.

The main features of **CBU5** are:

(4) Guarantee High performance.
- USB2.0/EHCI, USB1.1/OHCI compliant architecture controller chip.
- Full backward compatibility with USB1.1 devices.
- Supports High speed(480Mbps), Full speed(12Mbps) and Low speed(1.5Mbps).
- Supports USB device Plug & Play and Power Management.
- Five High speed (480Mbps) ports available.
- Full spec. Bus power(500mA) available at each ports(Bus Power Adapter required.)

(5) Guarantee quality.
- Ready for PCI Power Management 1.1, CardBus Power management 1.0 and ACPI.
- Includes PMCR(Power Management Capability Registers) inside.
- Fully compliant PC Card standard 7.0 CardBus specifications.
- 5 years warranty PC Card (except dongle, cable).

(6) Compatibility.
- Windows2000 USB 2.0 driver.
- CardBus enabled PC Card Type-II socket required.

3. PCIU2/PCIU5

PCIU2/PCIU5 are developed for Desktop PC, and based on latest USB2.0 hardware, software architecture and technologies. The board is fully compatible with Microsoft standard USB2.0 drivers. And provides the good connectivity with current existent USB1.1 compliant devices. The board is fully compatible with new Low Profile PCI specification. Two Type-A USB port connectors are available on the board and three Type-A USB port connectors are available at optional 3.5inch front bay adapter. The adapter is included in the *PCIU5* retail box.

The main features of *PCIU2/PCIU5* are:

  (7) Guarantee High performance.

     - USB2.0/EHCI, USB1.1/OHCI compliant architecture controller chip.

     - Full backward compatibility with USB1.1 devices.

     - Supports High speed(480Mbps), Full speed(12Mbps) and Low speed(1.5Mbps).

     - Supports USB device Plug & Play and Power Management.

    - Provides two High speed ports (*PCIU2*).

    - Provides five High speed ports (*PCIU5*).

  (8) Guarantee quality.

    - Ready for PCI Power Management 1.1 and ACPI.

    - Includes PMCR(Power Management Capability Registers) inside.

    - Fully compliant PCI 2.1 and Low Profile PCI specifications.

    - 5 years warranty(except dongle, cable).

  (9) Compatibility.

    - Windows2000 USB 2.0 driver.

   -One free PCI 2.1 compatible slot.

Pricing and Availability

CBFU2,CBFU5,PCIU2 and *PCIU5* will be available in January 2001 for USB2.0 device developers through on-line shopping. In 2001 April, all products will be available at the retail store for end-user.

The street prices are not decided yet.

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Company profile.

RATOC Systems, Inc was founded in 1983. The company has over 10 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.