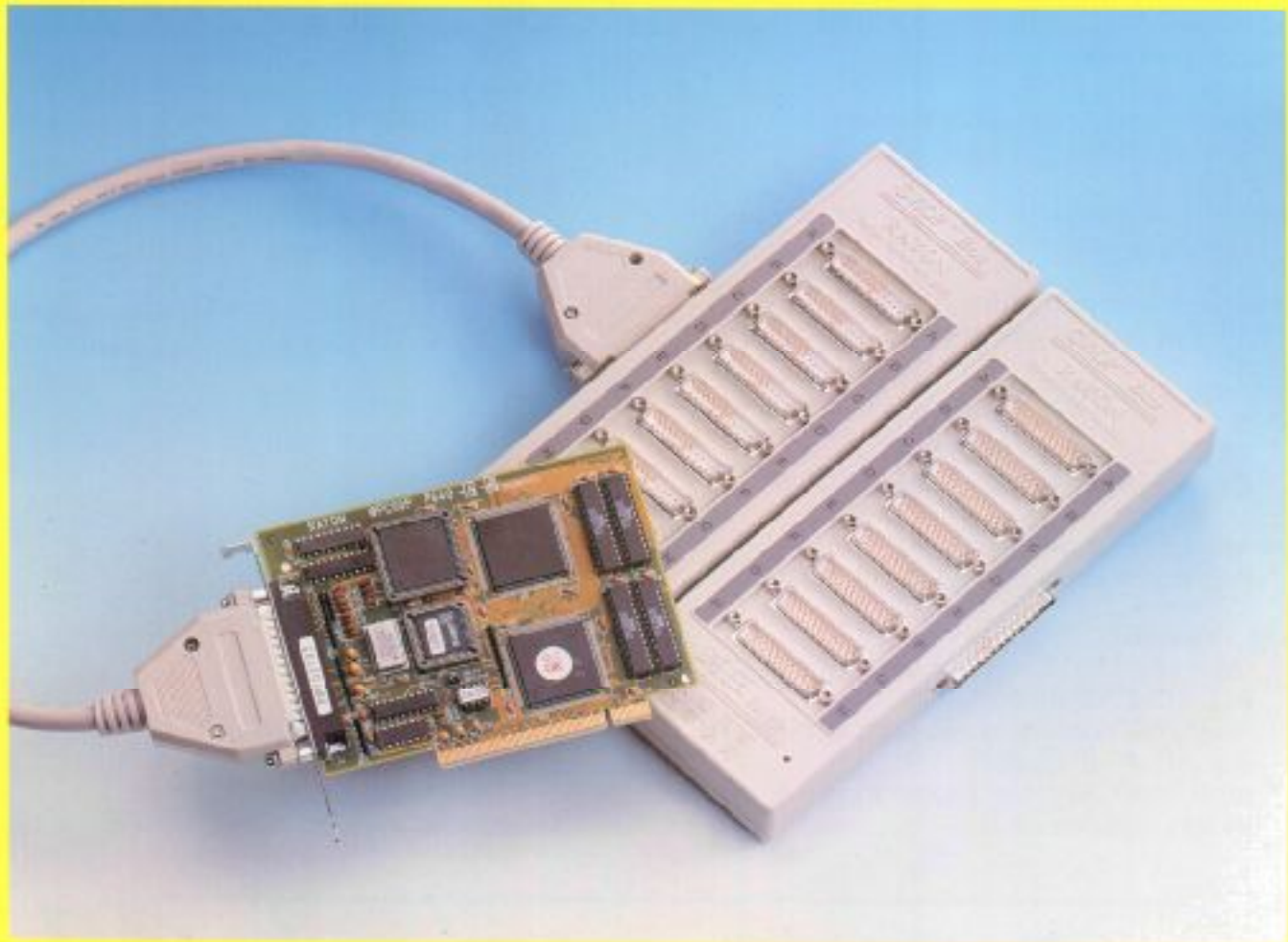# P640 RAS-PRO CARD

Intelligent Multiport Card
More Reliable
More Compact
More Flexible

- PCI bus version of famous A640e and R640 card.
- Support standard A641 or R641 box. Easy way to move from ISA bus environment to PCI bus system.
- Support upto 64 serial ports in one PCI slot.
- Support TCP/IP, PPP, SLIP capability.
- Support UNIX System driver.
- Support Surge Protector in TXD/RXD signal line.
- Expand from 8 serial ports to 64 serial ports only need 5 seconds.
- Support 2 cards and 128 ports per system.

P640 feature

* module structure, easy to setup and port expansion. expand from 8 serial ports to 64 serial ports just need 5 seconds.
* support up to 2 cards per system. 64 ports per card, totally 128 users maximum. suitable for any system power and application configuration. lower initial charge but with optimum cost/performance anytime for you.
* Support SCO XENIX driver in PCI bus slot.
* Support TCP/IP, PPP, SLIP function capability in UNIX system.
* Support standard A641 or R641 box. Easy way to move from ISA bus environment to PCI bus system.

P640 specification:

System structure
* P640 intelligent multi-port card.
* A641 multi-port connector box. (P640-A model)
* R641 multi-port connector box. (P640-R model)

System processor
* type: 80286 CPU.
* speed: 14MHz. (P640-A model)
  20MHz. (P640-R model)

System memory
* 128Kbyte cache RAM.

Hardware compatibility
* 5V PCI 33MHz bus slot.

Software compatibility
* SCO UNIX/XENIX
* AT&T UNIX SYSTEM V
* Other UNIX/XENIX system.

System address mapping
* non-cache dual port RAM in PCI bus.

Port capability
* each P640 card can use with A641/A642 box. (P640-A model)
* each P640 card can use with R641/R642 box. (P640-R model)
* each P640 card can support upto 8 boxes in any combination.

BOX specification.
* Interface:
  * A641/R641 box: RS232C compatible.
    8 ports per box.
  * A642/R642 box: RS422 compatible.
    8 ports per box.
  Baud rate: each port can be configured to 50 - 38400bps.
  Note: in P640-R model the baud rate setting 50bps, 75bps in UNIX is used for 57600bps, 76800bps.
* Flow control:
  * XON/XOFF software handshake.
  * RTS/CTS hardware handshake.
* Connector type:
  * A641/R641 box: DB25 male connector.
  * A642/R642 box: DB25 male connector.

Dimension
* card: 5.5 x 4.25 inch.
* box: 9.1 x 3.5 inch.

Environment
* operating temperature: 5°C to 40°C.
* operating humidity: 10% to 90% RH.
* storage temperature: 0°C to 65°C.
* storage humidity: 5% to 90% RH.

Other relative products.
* user can use P640 card with other PCIIOP series cards in the same PC system. Each PC system can install up to 2 PCIIOP series cards.
* P960 card: can have three times performance than P640 card.
* P990 card: can have six times performance than P640 card.

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