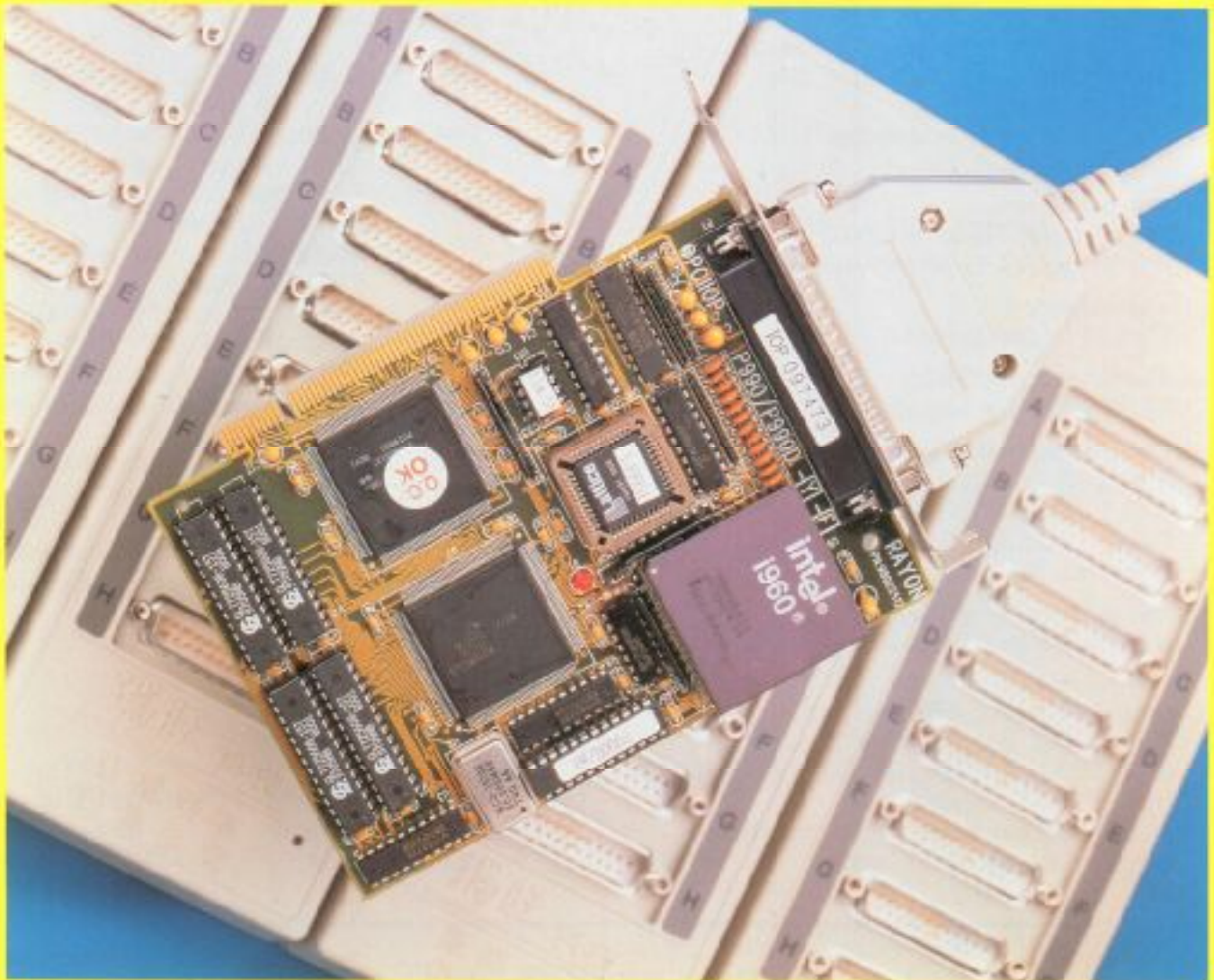# P990 RAS-PRO CARD

Intelligent Multiport Card
50MIPS PERFORMANCE IN
WINDOWS NT & UNIX SYSTEM

- Built-in Intel 80960 RISC local processor, a workstation grade 32bit processor, faster and powerful for your system.
- Support 57600 bps and 115200bps baud rate high speed MODEM.
- Support upto 64 serial ports in one PCI slot.
- Support TCP/IP, PPP, SLIP capability.
- Support Windows NT & UNIX System driver.
- Support Surge Protector in TXD/RXD signal line.
- Expand from 8 serial ports to 64 serial ports only need 5 seconds.

P990 feature

* built-in Intel 80960 RISC local processor, a workstation grade 32bit processor, faster and powerful for your system.
* 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 Windows NT driver to extend COM port from 8 to 128.
* Support SCO XENIX driver in PCI bus slot.
* Support TCP/IP, PPP, SLIP function capability in UNIX system.

P990 specification:

System structure
* P990 intelligent multi-port card.
* Y641 multi-port connector box. (P990-Y model)
* F641 multi-port connector box. (P990-F model)

System processor
* P990 model: Intel 80960JF-25 CPU
* P990D model: Intel 80960JD-50 CPU.

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.
* Windows NT system.

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

Port capability
* each P990 card can use with Y641/Y642 box. (P990-Y model)
* each P990 card can use with F641/F642 box. (P990-F model)
* each P990 card can support upto 8 boxes in any combination.

BOX specification
* Interface:
  * Y641/F641 box: RS232C compatible. 8 ports per box.
  * Y642/F641 box: RS422 compatible. 8 port per box.
* Baud Rate: each port can be configured to 110 - 230400bps.
  Note: the baud rate setting 50BPS, 75BPS, 150BPS in UNIX is used for 57600BPS, 76800BPS, 115200BPS. For P990-F model the baud rate setting 200bps in UNIX is used for 230400bps.
* Flow Control:
  * XON/XOFF software handshake.
  * RTS/CTS hardware handshake.
* Connector type:
  * Y641/F641 box: DB25 male connector.
  * Y642/F642 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.

Order information:
* P990-Y card: P990 card with 80960JF-25 CPU, connect with Y641/Y642 box.
* P990-F card: P990 card with 80960JF-25 CPU, connect with F641/F642 box.
* P990D-Y card: P990D card with 80960JD-50 CPU, connect with Y641/Y642 box.
* P990D-F card: P990D card with 80960JD-50 CPU, connect with F641/F642 box.