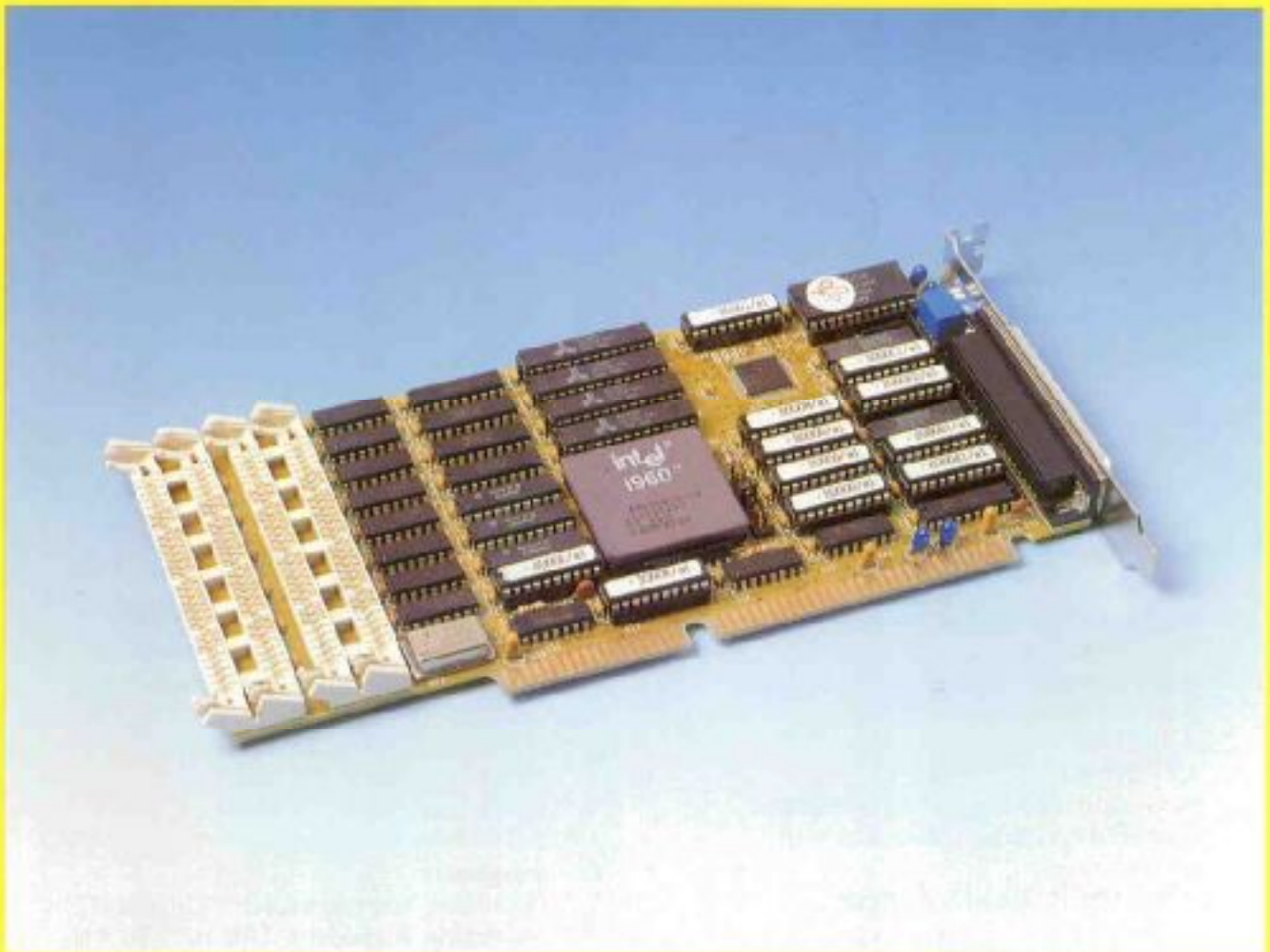


GVIOF Series

# B990 I/O PROCESSOR

Intelligent Multiport Card

POWERFUL & RELIABLE.



- built-in Intel 80960 RISC local processor, a workstation grade 32bit processor, faster and powerful for your system.
- support upto 64MBytes 2-1-1-1 wait state DRAM SIMM module.
- support upto 128KByte cache RAM.
- module structure, easy to setup and port expansion.  
Support upto 64 ports per card. Expand from 8 ports to 64 ports only need 5 seconds.
- support up to 4 cards and upto 256 users per system.

## B990 feature

- \* built-in Intel 80960 RISC local processor, a workstation grade 32bit processor, faster and powerful for your system.
- \* no hardware firmware requirement, easy for version update and system customize.
- \* module structure, easy to setup and port expansion. Support upto 64 ports per card. Expand from 8 ports to 64 ports only need 5 seconds.
- \* support up to 4 cards per system, 64 ports per card, totally 256 users maximum, suitable for any system power and application configuration. lower initial charge but with optimum cost/performance anytime for you.
- \* a minicomputer's power in a card, can enhance system communication performance, and reduce system processor overhead. Don't waste your system processing power in the routine I/O procedure.
- \* support DOS multitasking driver program, user can have DOS flexible man-machine interface and use B990 powerful data collection and processing capability. This feature is easy for system integrator to write application program for industry control system. easy to install and easy to configure.
- \* support user's application self-development program. contact for more information about this program.

## B990 specification:

### System structure

- \* intelligent multi-port card.
- \* multi-port connector box.

### System processor

- \* type: Intel 80960KB CPU.
- \* speed: 20MHz.

### System memory

- \* 128Kbyte SRAM.
- \* upto 64MBytes DRAM SIMM. (optional)

### Hardware compatibility

- \* ISA bus.
- \* 80286/80386/80486 system.

### Software compatibility

- \* SCO XENIX
- \* SCO UNIX
- \* AT&T UNIX SYSTEM V
- \* DOS multitasking driver program. (suitable for data collection and processing).
- \* other UNIX/XENIX system.

### System address mapping

- \* non-cache dual port RAM in ISA bus.

### Port capability

- \* number of port: 8 port to 64 port.
- \* Interface:
  - \* A641 box: RS232C compatible. (8 ports/box)
  - \* A642 box: RS422 compatible. (8 ports/box)
  - \* A643 box: IBM PC printer interface compatible. (4 ports/box)
- \* Baud Rate: each port can be configured to 50 - 38400bps.
- \* Flow Control:
  - \* XON/XOFF software handshake.
  - \* RTS/CTS hardware handshake.
- \* Connector type:
  - \* A641 box: DB25 male connector.
  - \* A642 box: DB25 male connector.
  - \* A643 box: DB25 female connector.

### Dimension

- \* B990 card: 9.1 x 4.1 inch.
- \* A641 box: 9.1 x 3.5 inch.
- \* A642 box: 9.1 x 3.5 inch.
- \* A643 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.

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### Other relative products:

- \* C990 card: built-in 50MIPS 80960CA processor.
- \* A990 card: built-in 80960KA RISC processor.
- \* A640e card: built-in 80286 local processor.
- \* R800 card: Intelligent 8 port card.
- \* A400 card: Intelligent 4 port card.

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\* All names are the trademarks of their respective organizations.