

A1232 Advanced PCIe card

Support 16 RS232 Ports

Support 16 RS422/RS485 Ports

Support PCIe slot



- ★ Support 16 RS232 and 16 RS422/RS485 serial ports in one PCIe slot.
- ★ Just one IRQ for 32 ports.
- ★ Support Windows 95/98/Me system driver.
- ★ Support Windows NT/2000/XP/Vista system driver.
- ★ Support Windows 7 system driver.
- ★ Support Linux and SCO Openserver System driver.
- ★ Support card and metal box structure.

A1232 specification:

System structure:

- ▲ A320 intelligent multi-port card.
- ▲ one NF116 connector box.
- ▲ one NF216 connector box.
- ▲ A640 cable.

System resource and IRQ map:

- ▲ Memory map model:
 - * 128Byte for PCI controller.
 - * two 4Kbyte for UART controller.
- ▲ I/O map model:
 - * 128Byte I/O for PCI controller.
 - * 256byte I/O for UART controller.
 - * 64byte I/O for status register.
- ▲ one free IRQ assigned by PCI BIOS.

Hardware compatibility:

- ▲ 5V & 3.3V PCI 33MHz bus slot.

Software compatibility:

- ▲ WIN 95/98/Me. (I/O map model only).
- ▲ Windows NT system.
- ▲ Windows 2000/XP/Vista system.
- ▲ Windows 7 system.
- ▲ SCO Openserver
- ▲ Linux system.

Port capability :

- ▲ A320 card with one NF116 box can support 16 RS232 serial ports and one NF216 box can support 16 RS422/485 serial ports.

BOX specification.

Interface: :

- ▲ NF116 box: RS232 16 ports per box.
 - ▲ NF216 box: RS422 or RS485. 16 ports per box.
- Note: each port can be set to RS422 or RS485 by DIP switch independently.

Baud Rate: :

- ▲ each port can be configured to 110 - 115200bps.
- Note: In UNIX system we use 50bps, 75bps, 150bps to set the target speed 57600bps, 76800bps and 115200bps.

Flow Control: :

- ▲ XON/XOFF software handshake.
- ▲ RTS/CTS hardware handshake.

Connector type :

- ▲ NF116 box: DB9 male connector.
- ▲ NF216 box: DB9 male connector.

Dimension :

- ▲ card: 10.0 * 9.5 cm.

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 P640NU card in PCI slot and use same connector box.
- ▲ P990F card: built-in 80960JF local processor.
- ▲ IOP3927F card: built-in 133MHz MIPS local processor.

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