

A3032 Advanced PCIe card

Support 32 RS232/RS422/RS485 Ports

Support PCIe slot



- ★ Support 32 RS232/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 7/8/10 system driver.
- ★ Support Linux and SCO Openserver System driver.
- ★ Support card and metal box structure.

A3032 specification:

System structure:

- ▲ A320 intelligent multi-port card.
- ▲ two NF316 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:

- ▲ PCIe bus slot.

Software compatibility:

- ▲ WIN 95/98/Me. (I/O map model only).
- ▲ Windows NT system.
- ▲ Windows 2000/XP/Vista system.
- ▲ Windows 7/8/10 system.
- ▲ SCO Openserver
- ▲ Linux system.

Port capability :

- ▲ A320 card with two NF316 box can support 32 RS232/RS422/RS485 serial ports.

BOX specification.

Interface: :

- ▲ NF316 box: RS232, RS422 or RS485.
16 ports per box.

Note: each port can be set to RS232, RS422 or RS485 by DIP switch independently.
One bit set for RS232 or RS422/RS485.
One bit set for RS422 or RS485.

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 :

- ▲ NF316 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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RAYON TECHNOLOGY CO., LTD.

2F, No. 177, Chung Shan 2 Rd., Lu Chou, New Taipei city, Taiwan.

TEL: 886-2-82858362 FAX: 886-2-82857065

E-Mail: rayon@ms1.hinet.net or info@rayontech.com.tw

WEB: <http://www.rayontech.com.tw>