

P640NU *Universal PCI/PORT card*

Intelligent Multiport Card

Support upto 64 Ports

Support 5V & 3.3V PCI slot



- ☆ Support upto **64 serial ports** in one PCI slot.
- ☆ Just one **IRQ for 64 ports**.
- ☆ Support **DOS** system driver.
- ☆ Support **Windows 95/98/Me** system driver.
- ☆ Support **Windows NT/2000/XP/2003** system driver.
- ☆ Support **Linux** and **SCO** Openserver 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.
- ☆ The distance between card and box can be upto **10 meters**.

P640NU specification:

System structure

- ▲P640NU intelligent multi-port card.
- ▲F641N/F642N multi-port connector box.

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 bus slot.

Software compatibility

- ▲DOS. (I/O map model only).
- ▲WIN 95/98/Me. (I/O map model only).
- ▲Windows NT system.
- ▲Windows 2000/XP/2003 system.
- ▲SCO Openserver.
- ▲Linux system.

Port capability

- ▲Each P640NU card can use with F641N/F642N box.
- ▲each P640NU card can support upto 8 boxes in any combination.

BOX specification:

Interface:

- ▲F641N box: RS232C compatible.
 - 8 ports per box.
 - Signal pin: TXD, RXD, RTS, CTS, DSR, DCD, DTR, RI.

- ▲F642N box: RS422 compatible.
 - 8 ports per box.
 - Signal pin: TXD+, TXD-, RXD+, RXD-.

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:

- ▲F641N box: **DB25** male connector.
- ▲F642N box: **DB25** male connector.

Dimension

- ▲card: 121 * 86 mm.
- ▲box: 231 * 89 mm.

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 with other PCIIOP series cards in the same PC system. Each PC system can install up to 2 PCIIOP series cards.
- ▲ IOP3927 card: built-in 133MHz MIPS local processor.

User can have following solution for small workgroup system:

- ▲ P1688U card: built-in 133MHz MIPS local processor and eight RS232 serial ports card.
- ▲ P422I card : two ground isolated RS422/485 port card.
- ▲ P584U card: universal four RS232 serial ports card.
- ▲ P588U card: universal eight RS232 serial ports card.
- ▲ P485 card: four isolated RS422/485 serial ports card.
- ▲ P514 card: one isolated RS422/485 and three RS232 serial ports card.
- ▲ P518 card: one isolated RS422/485 and seven RS232 serial ports card.

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