

# Pushpam

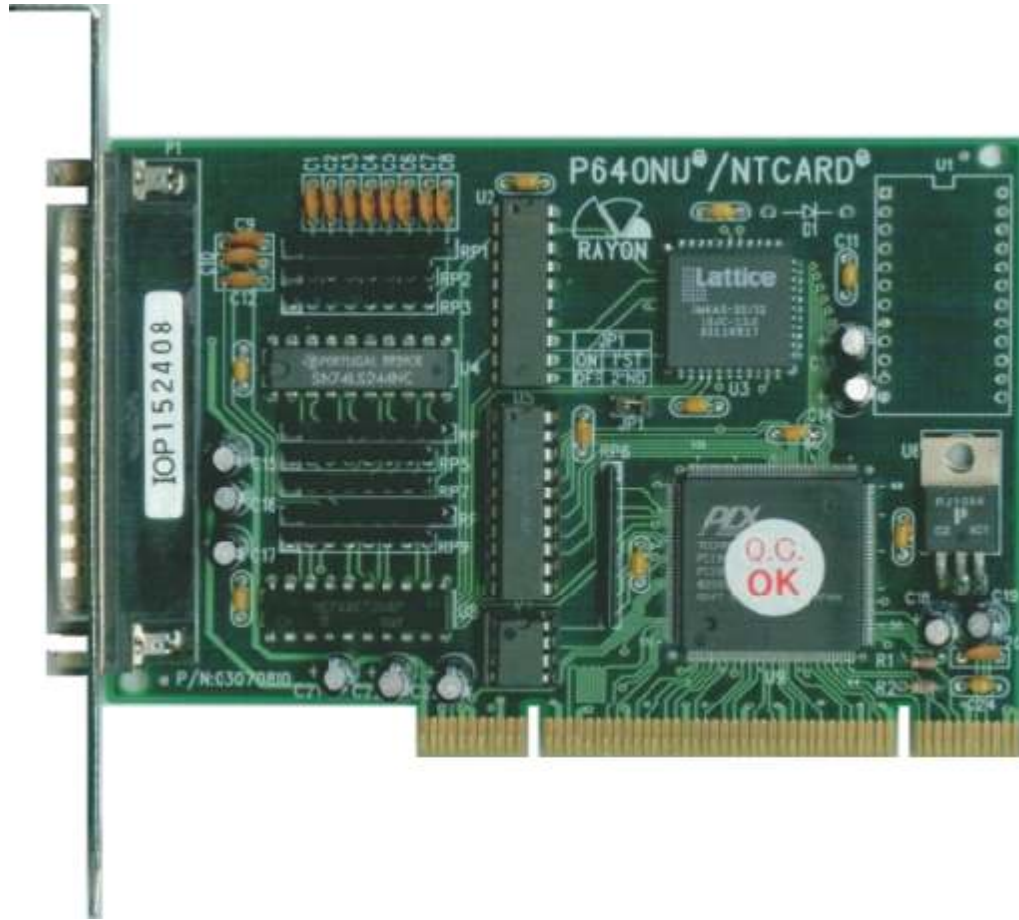
Expanding IT Horizon



**PUSHPAM**

Estd. 1990

Multi-Serial Port Cards - P 640NU



Intelligent Multi-Port Card

# Rayon Multi-Serial Port Card - Specifications

## 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.

P 640NU (BOX) 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.  
56Byte 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.

### Port capability

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

### 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 X 86 mm.  
box: 231 X 89 mm.

### Environment

Operating temperature: 5 to 40 degree Celsius.  
Operating humidity: 10% to 90% RH.  
Storage temperature: 0 to 65 degree celcius.  
Storage humidity: 5% to 90% RH.

### Other relative products.

User can use P640NU card with other PCI IOP series cards in the same PC system. Each PC system can install up to 2 PCI IOP 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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