Why you need RAYON's 5V Power Only UPCI card

In traditional RS232 serial port we may need to have 5V,+12V,-12V power supply in PC for our RS232 interface chip. But we may not have -12V power supply in some of our new PC system. Some PC system may also remove +12V power supply. In this condition we can not use normal RS232 serial port card. To meet this condition RAYON's new P5x88U card just need to use 5V power supply. P5x88U card can support 3.3V & 5V PCI bus slot. Due to cost and flexibility requirement we have different models to support different serial port interface application.

Model	RS232	RS422	RS485
P114U	4	4	4
P5984	4	0	0
P5985	0	4	4
P5914	4	4	4
P118U	8	8	8
P138U	0	8	8
P5388U	0	8	8
P5588U	8	0	0

For RS232 only customer we offer P5588U card to support 8 RS232 serial ports. P5588U card is similar as RAYON's P588U card.

For some user they may use RS422 for long distance connection. But they may need to use RS485 for multi-drop connection. In this condition we may suggest P5388U or P138U card. P5388U and P138U card can support eight serial ports to be RS422 or RS485 interface settable by DIP switch. It is very flexible for you to connect long distance via RS422 full duplex protocol or RS485 half duplex protocol. P5388U and P138U card is similar as RAYON's P8485U card.

For some user their application environment is major in RS232 connection. But they may need to have capability to connect with RS422 equipment for long distance connection or RS485 multi drop connection. In this condition we may suggest P118U card. P118U card can support eight RS232/RS422/RS485 settable serial ports. Originally they may use all eight ports in RS232 connection. Then they may change to RS422 for long distance connection. Or they may need to use RS485 for multiple RS485 equipment connection. It is very easy to change interface by DIP switch. It is very flexible for application environment modification. For P5588U card user they

may need to pay a little more money in P118U card to reserve flexibility in the future.

For some user their application environment is major in RS485 connection. But they need to have capability to connect with RS232 equipment. In this condition we may suggest P118U card. P118U card can support eight RS232/RS422/RS485 settable serial ports. Originally they may use all eight serial ports for RS485 equipment. Then they may have some request for RS232 equipment. Or they may have RS422 equipment to connect later. It is very easy to change interface type by DIP switch anytime. For current P5388U and P138U card's user they may need to pay a little more money in P118U card to have more flexibility in the future.

Due to cost consideration and flexibility in the future every RAYON's customer may have one optimum solution to use. When you just need to use in dedicated application environment, you can pay less to get target interface product. When you need flexibility in the future, you can pay a little more to get interface option.

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P5588U	8	0	0