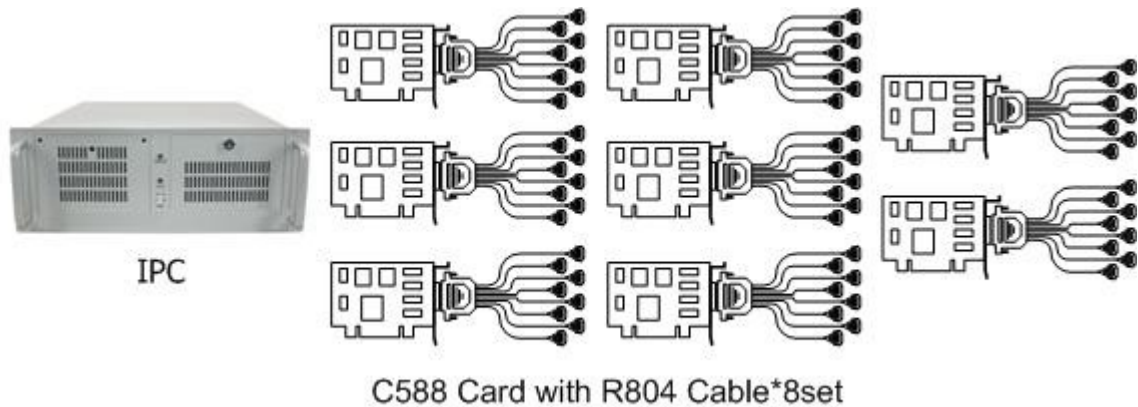


# How to use P1064 card to simplify data collection system

In one industrial control system we may have many devices to monitor status of environment. Such device may send data to host periodically. So we must have many RS232 serial ports in computer to connect with such device.

In normal condition we may have one PCI card to support 8 serial ports per card. We may have one octopus-cable for 8 DB9 connectors. When we need to support 64 serial ports in one computer, we may need 8 PCI eight port cards traditionally. Then we need to have 8 PCI slots for this computer to work. So we may have 8 octopus-cables to offer 64 DB9 connectors. Physically we need to specify ID code in each DB9 connector for dedicated device. In software issue we need to identify COM port number for each DB9 connector in one of 8 octopus-cables. And we may need one IRQ in each PCI slot. But we need 8 PCI slots. So it is very complicated structure. It is not reliable system.



RAYON Technology knows this structure is not reliable and complicated. So we offer one P1064 card to support 64 serial ports in one computer. Physically we just need one PCI card and 4 NF116 boxes to support 64 DB9 connectors. In software issue we just need one IRQ in one PCI slot to work. The COM port number in each DB9 connector is given sequentially. So it is simple system structure and you can use general PC to work. You don't need to have one dedicated computer cabinet to support 8 PCI slots.

