

## **Why Serial Interface Based Controller ?**

As we know, in most real-time control situation, a real-time controller performs various functions based on commands sent by a serial interface, such as RS485, CAN, USB, or RS232. Our RTMC series controller is such a controller that performs all kind of real-time functions, such as A/D, D/A, PWM, pulse counting, quadrature encoding, stepper motor indexer, PID control, function generation, I/O ...

The benefit of serial based controller can be summarized as following:

- 1) Easy of use, no firmware development required, no development tool needed
- 2) Perform real-time functions by serial communication command
- 3) Our DSP based processor makes it possible to perform PID control, digital filtering, PWM...
- 4) It is a stand-alone controller for real-time monitoring and controls.
- 5) Easy for networking, such as our CAN based or RS485 based controller.
- 6) It can be modularized into you system integration.
- 7) Minimize your time from conception to production
- 8) It is a critical component in distributed control system structure.
- 9) Low cost