
Design of a Distributed Monitoring and Control System Based on DSP

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ABSTRACT

The TMS320F240 device is the first member of a new family of DSP (Digital Signal Processor) controllers of Texas Instruments Incorporated. The system adopts it as basic hardware, and all communication programs were written in Visual C++ or C. A PC (Personal Computer) communicates with all front-end units (DSPS) through the public telephone lines manipulating central control functions. The system is cheap, transplantable and easy to realize. And it has been put to use.

Keywords: distributed monitoring and control system
remote communication front-end units
MSComm(Microsoft communication control) DSP