

Success Story

Building Automation

Building Automation System

Product	MOXA CP-132UL-I V2
Country	USA
Industry	Building Automation

Objective: Control elevators, alarms, sensors, and other devices through a PC-based central building automation system

Recommended Product(s):

- 4-port RS-422/485 Board with 2 KV Isolation Protection (CP-134U-I V2)
- 2-port RS-422/485 Board with 2 KV Isolation Protection (CP-132UL-I V2)

Major Benefit: Provides instant solution for managing multiple RS-422 devices from a single PC

Background

Recent advances in communication technology and computer software have led to increased interest in building automation management systems. Building managers are becoming aware of the benefits provided by better, more centralized control of all facets of a building's operation and maintenance. Improved efficiency and lower operational costs are just two of the advantages offered by modern building automation systems. To achieve these advantages, building automation systems must be able to monitor and control a building's key devices, such as the air conditioner controller, security system, elevator controller, and alarms.

Solution

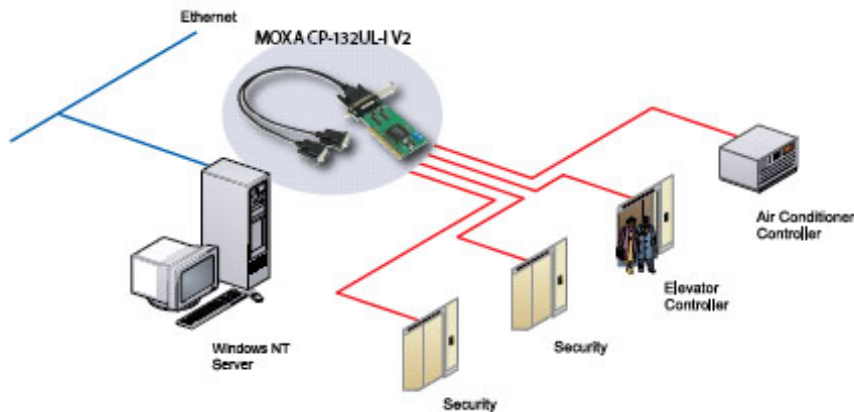
Moxa's CP-134U-I V2 and CP-132UL-I V2 multiport serial boards can be installed in a PC to develop a system for supervising a building's air conditioning control system, elevator controllers, entrance controllers, and fire alarm systems. With the boards installed, the building's devices can all be managed from one PC, and a custom application can be developed as necessary to coordinate between the devices. This kind of implementation is very cost effective, since the devices themselves do not need to be

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replaced. In effect, with a single PC and a multiport serial board, every building device can be instantly turned into a smart device.

Both boards come equipped with an RS-422 /485 interface. A 2000V optical isolation protection system is also available in order to protect against ground loop currents when voltage levels differ between devices.



Benefits

- Allows centralized monitoring and control of many building functions.
- Provides high performance with Turbo Serial Engine, Moxa's serial data transmission chip.
- Built with 12 8-byte FIFO, on-chip hardware/software flow control, and burst data mode.
- Supports RS-422 /485 interface with ADDC and baudrates up to 921 .6 Kbps.
- Includes PComm Lite software package to monitor status of installed MOXA serial boards.