

Success Story

Transportation

Intelligent Transportation System

Product	MOXA CP-168U V2
Country	USA
Industry	Transportation

Objective: Establish intelligent transportation system using existing traffic devices

Recommended Product(s):

- 8-port RS-232 Multiport Serial Board (CP-168U V2)
- 4-port RS-232 Multiport Serial Board (CP-104UL V2)
- 32-port RS-232 Intelligent Multiport Serial Board (C320T/PCI)

Major Benefit: Connects all traffic devices to a PC using just one board

Background

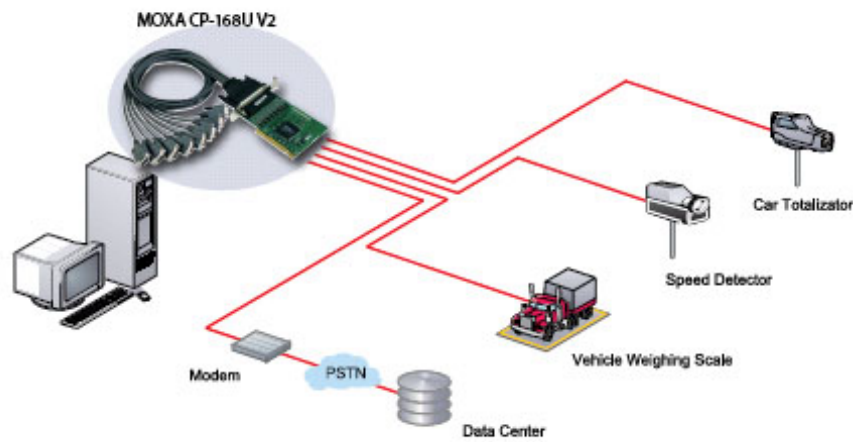
In recent years, the ITS (Intelligent Transportation System) market has experienced a significant upswing worldwide. Currently, eAutomation control and data processing devices are used in highway, freeway, and city ITS applications. These systems are used for speed auditing, LED signboards, and traffic signal control. However, there are still many areas that use serial equipment, such as freeway tollgates with their speed detectors, ramp sensors, searchlights, and cameras. These devices need to be incorporated into the system.

Solution

ITS integrators can use Moxa's CP-168U V2, CP-104UL V2, or C320T/PCI multiport serial boards to connect all types of serial equipment to an industrial PC (IPC), depending on the type of motherboard slot available. At the tollgate, the IPC can collect information from all connected devices. A modem can also be attached to send or receive data from a remote data center. C320T/PCI boards come with dual CPU technology functions, such as a large dual-port memory host for large scale systems. Information can be sent back to the tollgate center for processing and further analysis, resulting in a more powerful, efficient, safer, and automatic freeway transportation system.

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**Benefits**

- Provides complete solution for entire ITS application
- Reduces operation and installation costs by using existing equipment
- Adds up to 32 RS-232 ports per board
- Includes on-board LED display and management software for easy maintenance
- Supports up to 921 .6 Kbps serial communication speeds