

MOXA Success Story

Industrial Automation

Vehicle Diagnostics Station

Product	MOXA Uport 1410
Country	USA
Industry	Industrial Automation

Objective: Connect multiple sensors to engine diagnostics system

Recommended Product(s): 4-port RS-232 USB-to-Serial Hub (UPort 1410)

Major Benefit: Instantly expand 4 COM ports with plug-and-play USB interface

Background

One of the world's leading developers of tool and equipment solutions needed a COM port expansion solution for their SUN Machine 450, which generates vehicle-specific engine diagnostics for thousands of different vehicle models. The SUN Machine 450 would be connected to many sensors that were RS-232 devices, but the machine's industrial PC (IPC) only provided two serial and two USB ports. Due to the shoebox size of the controller, it would not be possible to install a multiport serial board.

Solution

Since the IPC did not have enough PCI slots for a multiport serial board, a USB solution was used for COM port expansion. Moxa's UPort 1410 USB-to-serial hub was selected for its easy installation and industrial-grade design, which enabled the manufacturer to create a low-cost, fast-to-market solution. Four serial ports were added almost instantly by plugging the UPort 1410 into one of the IPC's USB ports, providing enough ports to attach all testing devices.

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About MOXA

The Moxa Group manufactures one of the world's leading brands of device networking solutions. Products include serial boards, USB-to-serial hubs, media converters, device servers, embedded computers, remote I/O servers, terminal servers, Modbus gateways, industrial switches, and Ethernet-to-fiber converters. Our products are key components of many networking applications, including industrial automation, manufacturing, POS, and medical treatment facilities.

How to Contact MOXA

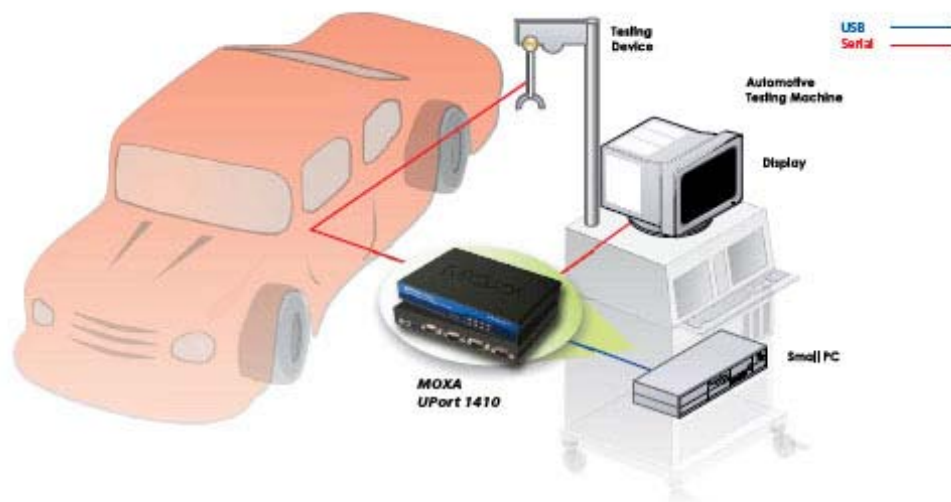
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The MOXA logo consists of the word "MOXA" in a bold, green, sans-serif font, followed by a registered trademark symbol (®).

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**Benefits**

- Uses only one USB port to add four RS-232 ports
- Provides hassle-free solution with no I/O or IRQ setting required
- Installs easily with plug-and-play operation
- Power over USB feature eliminates the need for an additional external power source