

“Our customers rely on Echelon to provide market leading device network infrastructure products that allow them to manage their automation solutions remotely—as a network or as individual device. By building the i.LON 100 Internet Server on the Wind River Platform for Industrial Devices, we can spend less time integrating foundational technologies and more time developing software to meet the strict requirements for control reliability and performance, and the core needs of our customers.”

*Vijay Dhingra, Director of Product Management, Echelon*

## ECHELON

For i.LON 100, Echelon transitions to [Wind River Platform for Industrial Devices](#)

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Echelon is the leading supplier of infrastructure hardware and software to the rapidly growing device networking market. One of the leading LonWorks devices, the i.LON 100 Internet Server, helps small- to mid-size commercial and industrial networks--those typically used in schools, convenience stores, banks, water treatment plants, pumping stations and factories--connect their IP internal networks to the Internet. It features a built-in web server that allows web access to built-in scheduling, alarming and data logging applications. Clients customize the look and feel of their installation using a standard web browser.

The i.LON 100 was created to meet the growing demand for more reliable connected industrial devices. In order for the i.LON 100 to truly meet the demand for more reliable connected devices, Echelon needed to ensure that it created a high performance solution, capable of seamlessly connecting to systems through open standards. For years, Echelon had relied on Wind River's VxWorks



*Echelon's i.LON 100 Internet Server*

operating system in various LonWorks system products, but for the i.LON 100, Echelon transitioned to Wind River's Platform for Industrial Devices, a fully integrated development platform that changed the industry status quo by offering not only the trusted VxWorks real-time operating system, but also integrating industry specific middleware, an integrated IDE and customized professional services.

Platform for Industrial Devices enabled Echelon to spend less time integrating foundational technologies and more

## Echelon Corporation

San Jose, California  
www.echelon.com

### COMPANY DESCRIPTION:

Echelon is the leading supplier of infrastructure hardware and software to the rapidly growing device networking market. Since 1988, Echelon's solution—the LonWorks system—has been adopted by thousands of device and systems manufacturers. Millions of connected LonWorks devices are installed in buildings, factories, transportation systems, homes and utilities, as well as hundreds of other applications worldwide.

### INDUSTRY

Network Equipment

### KEY BENEFITS

- Echelon provides device network infrastructure products that allow companies to manage automation solutions remotely—as a network or as individual devices
- Platform for Industrial Devices enables Echelon to develop software for the i.LON family of products faster, better, at a lower cost and more reliably

### WIND RIVER CONTRIBUTION

- Wind River Platform for Industrial Devices

time developing software to achieve the strict reliability and performance that its customers demand. Echelon chose Wind River Platform for Industrial Devices because it enables the company to develop device software for the i.LON family of products faster, better, at a lower cost and more reliably.

Currently, Echelon's i.LON 100, i.LON 600 and i.LON 1000 all run on Wind River's VxWorks®, the industry's leading real-time operating system for device software. Echelon began building its i.LON 100 on the Wind River Platform for Industrial Devices in June 2004, and plans to build its i.LON 600 and i.LON 1000 shortly thereafter. That Echelon chose to transition from a Wind River proprietary operating system to an industry-specific pre-integrated Wind River device development platform for its next-generation products affirms its continuing satisfaction with Wind River technology and services.