

SOLUTION OVERVIEW

ARUBA NETWORKS AND ECHELON

Securely delivering control network data to remote applications

Buildings and factories are teaming with sensors and actuators that manage processes, control utilities, monitor faults, and adjust environmental controls. These devices share information with remote management, monitoring, and analytics applications, which optimize system operation, log activity, and mine for actionable business intelligence.

Echelon's SmartServer is an intelligent manager that connects building and industrial control systems to their associated applications in the data center – Having a trusted pathway between the SmartServer and the applications is essential for process continuity and to ensure valid results are obtained.

Echelon and Aruba have teamed to enable Echelon's SmartServer control manager to interoperate with Aruba infrastructure, including Aruba's policy enforcement firewall. Leveraging built-in drivers for industry standard protocols (LonWorks® free topology twisted pair, power line carrier, IP-852, BACnet, Modbus RTU, Modbus IP, M-Bus, and SOAP/XML), the SmartServer connects to a wide range of control devices and energy, asset management, and lighting systems. Using best-in-class encryption, role and policy

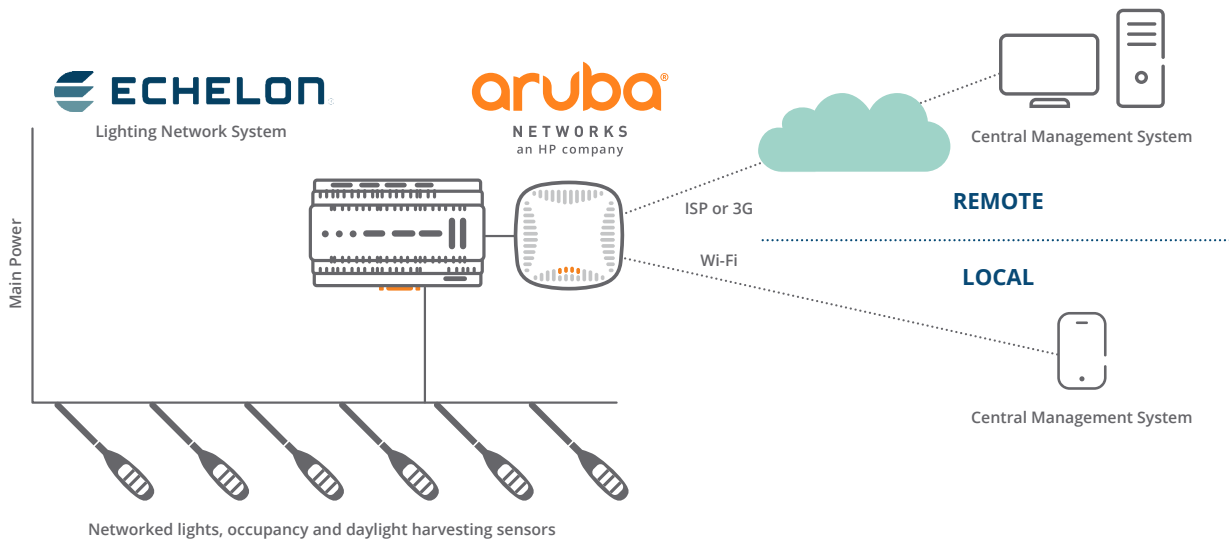
WHY ARUBA AND ECHELON

- Securely connects building and industrial control systems to data center applications
- Leverages the Aruba Connect-and-Protect architecture
- Uses Aruba firewall to prioritize essential controls
- Interfaces with existing lighting, energy, and process systems
- Enables control systems to operate over Wi-Fi or Ethernet

enforcement, and security analytic Aruba's Connect-and-Protect architecture ensures the integrity of the pathway between the SmartServer and the control applications.

Lighting presents a good example. The transition to LED lighting offers an opportunity to update lighting controls as well as switch to a more efficient lighting technology. Thirty percent incremental energy savings can be achieved by implementing intelligent light scheduling, daylight harvesting, and occupancy sensing coordinated by a master lighting application.

By securely and reliably transporting SmartServer lighting data, Aruba protects the integrity of the control infrastructure. Retailers, schools, restaurants, hotels, and campuses can all leverage their Aruba IT infrastructure for lighting and other control applications, achieving both energy savings and a smaller carbon footprint.



ABOUT ECHELON

Since its founding in 1988, Echelon Corporation has been a pioneer in open-standard control networking. Echelon's technology platform is embedded in more than 100 million devices, 35 million homes, and 300,000 buildings worldwide.

ABOUT ARUBA NETWORKS

Aruba Networks, an HP company, is a leading provider of next-generation network access solutions for the mobile enterprise. The company designs and delivers Mobility-Defined Networks that empower IT departments and #GenMobile, a new generation of tech-savvy users who rely on their mobile devices for every aspect of work and personal communication. To create a mobility experience that #GenMobile and IT can rely upon, Aruba Mobility-Defined Networks automate infrastructure-wide performance optimization and trigger security actions that used to require manual IT intervention. The results are dramatically improved productivity and lower operational costs.

To learn more, visit Aruba at <http://www.arubanetworks.com>. For real-time news updates follow Aruba on [Twitter](#) and [Facebook](#), and for the latest technical discussions on mobility and Aruba products visit Airheads Community at <http://community.arubanetworks.com>.



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