



Products

- **EXSW-2400**
Extricom 24-Port WLAN Switch
- **EXSW-1200**
Extricom 12-Port WLAN Switch
- **EXSW-800**
Extricom 8-Port WLAN Switch
- **EXWO-404**
Extricom WLAN, Wireless Office Edition, consisting of one EXSW400 4-Port WLAN Switch and four EXRP-20 Dual-Radio UltraThin™ Access Points
- **EXRP-20**
Extricom UltraThin Access Point, equipped with two 802.11 a/b/g Radios
- **EXRP-40**
Extricom UltraThin Access Point, equipped with four 802.11 a/b/g Radios
- **EXRE-10**
Extricom Power over Ethernet (PoE) Range Extender
- **EXNM-2000**
Extricom Network Management System, providing centralized management and monitoring of up to 2000 Extricom WLAN Switches

Product Overview

The strategic importance of wireless LAN (WLAN) in the enterprise continues to grow rapidly. The “hot-spot” approach to Wi-Fi is being pushed aside, replaced by the era of ubiquitous data services, voice over Wi-Fi (VoWLAN), location and video.

The award-winning Extricom Interference-Free™ Wireless LAN System is the new generation of wireless technology, designed to meet the demands of this new era. Incorporating multiple technology innovations, the solution delivers a leap in WLAN performance while dramatically simplifying all aspects of planning and deployment.

This IEEE 802.11-compliant solution changes all of the paradigms about the Wi-Fi experience. In short, this is the ideal technology for building large-scale WLAN infrastructure for converged voice (VoWLAN), data and video, with the dependability and simplicity of a wired network—all with the industry’s lowest total cost of ownership (TCO).

The highly sophisticated Extricom WLAN delivers a series of industry firsts:

- A multi-layer WLAN, consisting of multiple overlapping channel blankets on any combination of channels in any band
- No delays from AP-to-AP handoff, which guarantees seamless mobility, continuity of security session (even WPA), and maximized service delivery
- Elimination of co-channel interference, which is ultimately key to providing complete coverage, maximum bandwidth, and a Service Level Guarantee for both connection rate and bandwidth
- TrueReuse™ channel processing that yields bandwidth increases well beyond what traditional cell-based schemes can achieve

Solution Overview

The Extricom WLAN consists of a wireless switch (EXSW800/1200/2400) which tightly controls a set of UltraThin™, multi-radio 802.11 a/b/g Access Points (EXRP-20/40). The system eliminates the concept of cell planning and replaces it with the “channel blanket” topology. In this topology, each Wi-Fi radio channel is used on every access point to create continuous “blankets” of coverage. Using multi-radio APs, the Extricom system creates multiple overlapping WLANs from the same physical set of APs, as illustrated in Figure 1.

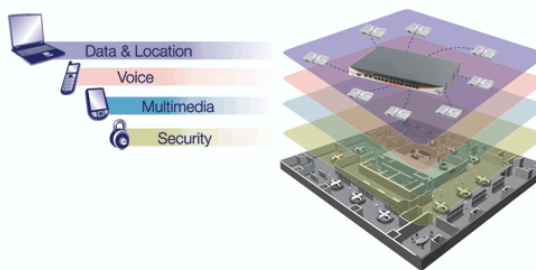


Figure 1: Extricom's Four Channel Blanket Coverage

In the Extricom solution, the WLAN switch makes all of the decisions for packet delivery on the wireless network. In this configuration, the APs simply function as radios, with no software or IP address. In essence, the Extricom architecture has centralized the 802.11 logic in the switch, while distributing only the wireless electronics to the APs.

This unique approach enables IT to define multiple overlapping channel blankets, set to any channel, in any band and Wi-Fi mode (a/b/g). The bandwidth of each channel is delivered across the entire service area (that is, the combined coverage of all APs connected to the switch), with interference-free operation and consistent capacity throughout, while client devices move seamlessly across the entire blanket without ever experiencing the delays of AP-to-AP handoffs.

“We had been holding off deploying wireless... basically we were waiting for something like the Extricom system to come on the market.”

— Eric Rupert

Glynn County School System

Extricom Key Features/Benefits

Total Mobility

Client devices move within the Extricom Channel Blanket without experiencing inter-AP handoffs, making zero-latency mobility and “always-connected” voice a reality for WLAN.

Surprising Simplicity

The Extricom WLAN System does away with all of the headaches that both frustrate and discourage the solution providers who have tried all other WLANs. Ironically, it is in fact what the Extricom system does **not** give you that makes all the difference: no RF cell planning, no inter-AP interference, no AP configuration and maintenance hassles, no bandwidth-eroding conflict between voice and data.

Guaranteed Performance

While all other WLANs are built for “best effort” operation, the Extricom WLAN delivers guaranteed performance. The link reliability of the channel blanket and the multi-layered nature of the architecture provide the only solution that can guarantee connection rate, bandwidth and Quality of Service (Qos) for Wi-Fi.

Customer Value

ShoreTel IP telephony solution infrastructure provides businesses with a secure, cost-effective, and scalable VoIP solution that is easy to manage. Extricom makes all of this wireless, seamlessly, and with the reliability and simplicity of the wire.

About Extricom

Extricom designs and manufactures enterprise Wireless LAN infrastructure solutions for converged data, voice (VoWLAN) and video. The Extricom Interference-Free™ architecture enables dramatically easier WLAN deployment and lower total cost of ownership, while achieving a generational leap in capacity, coverage, seamless mobility and security performance for Wi-Fi. The result is a large-scale, 802.11 standards-based WLAN infrastructure delivering enterprise-wide triple play services, with the dependability of a wired network. Extricom is privately held, with strategic investors that include Motorola.

About ShoreTel Inc.

ShoreTel is a leading provider of enterprise IP telephony solutions. The Extricom - ShoreTel solution provides customers with a number of key benefits, including ease of use, manageability and lower total cost of ownership.

Disclaimer

To be “ShoreTel Certified” means that Technology Partner's product will inter-operate with the ShoreTel system, but ShoreTel does not certify that the features or functionality of Technology Partner's product will perform as specified by Technology Partner nor that Technology Partner's product will meet your specific application needs or requirements. To inter-operate means that Technology Partner's product is able to exchange, use and share information with the ShoreTel system.

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