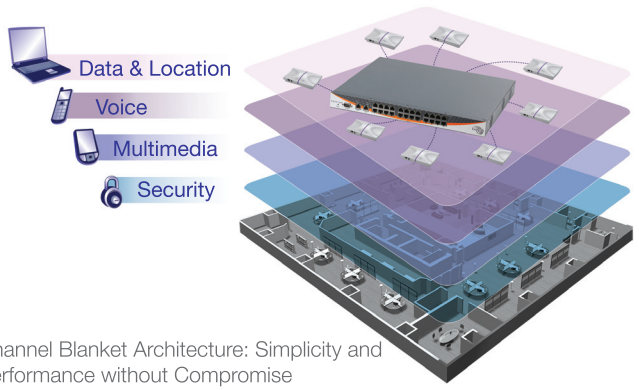
EXSW-2400 Wireless LAN Switch

The EXSW-2400 Wireless LAN Switch is a central component of Extricom's award-winning WLAN system, and the key building block for a new generation of business-class wireless infrastructure that scales from a single office to multi-building corporate campuses. The EXSW-2400 provides two uplink Fast Ethernet ports to connect to the wired LAN, and twenty-four Fast Ethernet ports with Power over Ethernet (PoE) to attach any Extricom UltraThin Access Points.

The EXSW-2400 delivers voice, data, video, and location services with a robust and mobile connection to any Wi-Fi client, in any environment. The Extricom system reduces WLAN complexity, delivers high performance with predictable service, works seamlessly with existing wired network infrastructure, and future proofs your network for tomorrow's multi-service demands.



Channel Blanket Architecture: Simplicity and Performance without Compromise

The EXSW-2400 is an IEEE 802.11-compliant solution which, combined with Extricom's unique Channel Blanket™ architecture, revolutionizes the Wi-Fi experience for both IT administrators and wireless users. Extricom WLAN systems simplify network design and maintenance, while also increasing system performance, capacity, and stability, and Quality of Service for multimedia applications.

The Extricom Difference

Simpler Design and Maintenance	The Extricom WLAN System reduces the complexity of RF surveys and cell planning. Extricom's UltraThin APs are placed where needed for best coverage and do not require configuration. All APs transmit and receive on the same channel in the Channel Blanket architecture, and the Extricom WLAN Switch coordinates the connected APs to eliminate co-channel interference.
Superior Wireless Connectivity	With every AP on the same channel, the Extricom switch receives multiple copies of each client transmission and chooses the best AP to transmit the reply, making the system highly resilient to RF interference and ensuring the highest possible throughput.
Continuous Mobility	Client devices move anywhere in the Extricom Channel Blanket without experiencing inter-AP handoffs, re-authentication, or latency, enabling seamless mobility for enterprise wireless LANs.
Centralized Access	Extricom switches coordinate media access for all of the connected APs and eliminate co-channel interference, which leads to higher performance and more stable operation under heavy load.
Centralized Power	The Extricom WLAN switch supplies power for all the connected Extricom UltraThin APs through built-in PoE, eliminating the need for AC power at the APs. The EXSW-2400 supports up to twenty-four Extricom 4-radio UltraThin APs with a single standard 802.3af POE connection.
Service Flexibility	Extricom's multi-layer, multi-channel architecture with overlapping Channel Blankets provides physical segregation of wireless clients and applications. Voice clients can be isolated on one channel, data clients use another, and legacy 802.11b clients can be separated from newer 802.11n clients. This flexible approach translates into more stable and predictable wireless LAN performance and the ability to offer service level guarantees.
TrueReuse	TrueReuse™, an Extricom patented technology, increases capacity by permitting simultaneous transmission on the same channel within the Channel Blanket.

Extricom

EXSW-2400 Wireless LAN Switch Specifications

Standards Compliance	
WLAN	IEEE 802.11a/b/g/n* IEEE 802.11i IEEE 802.11d
Ethernet	IEEE 802.3x, full/half duplex IEEE 802.1q, VLAN tagging IEEE 802.3af Power over Ethernet
Wireless Performance	
Channels	Control up to four simultaneous WLAN Channel Blankets, regardless of band
Capacity	Configurable rate for each channel 802.11b: 1 to 11 Mbps 802.11g: 1 to 54 Mbps 802.11a: 6 to 54 Mbps
TrueReuse	Extricom exclusive: Increase aggregate bandwidth of a Wi-Fi channel by enabling denser re-use than cell planning, without co-channel interference
Roaming	Intra-switch - 0 mSec; Inter-switch < 50 mSec
SSID & VLAN	
SSID	Up to 8 ESSIDs per (radio) channel blanket
VLANs	4096 Ethernet VLANs SSID to VLAN mapping
Management	
User Interface	Secure Web-based GUI Command Line Interface (CLI)
SNMP	Version 2c
Redundancy	Master-to-backup auto fallback
Captive Portal	Customizable web client captive portal
Upgrades	Firmware upgrade through Web/CLI
Security	
Encryption	802.11i hardware-based encryption for: WEP-64 and WEP-128 WPA-TKIP / AES (CCMP) WPA2-TKIP / AES (CCMP)
Authentication	RADIUS (802.1x) Captive portal authentication WPA Pre-Shared Key (PSK), WPA2 EAP, TLS, TTLS, LEAP, PEAP, MD5
Security policy	MAC Address-based ACL Per ESSID/BSSID security configuration Built-in wireless intrusion detection (IDS) Captive portal walled garden Per-user dynamic VLAN assignment
Rogue AP	Built-in, dedicated dual-band scanning using one channel blanket.
Interfaces	
WLAN Ports (to APs)	Twenty-four (24) Fast Ethernet ports with IEEE 802.3af PoE
LAN Ports (Uplink to Wired LAN)	Two RJ45 10/100 Ethernet ports (only port one is in use)**

Physical Properties		
Installation options	Rack mount (19" 1U) and desktop	
Dimensions (W x H x D)	441 x 44 x 395mm	17.4 x 1.7 x 15.6"
Weight	3.6 kg	7.9 lbs
LEDs	Power LAN Activity Activity on AP ports	
Power	100-240V / 5A Max PoE to WLAN ports: 15W per port	
Environmental		
Operational	Temperature: 0°C to 45°C (32°F to 113°F) Humidity: 0% to 90%, non-condensing	
Storage	Temperature: - 20°C to +70°C (-4°F to 158°F) Humidity: 0% to 90%, non-condensing	
Regulations Approval		
Safety	UL 60950-1 EN 60950-1 IEC 60950-1 ANATEL Resolution 238	
EMC	FCC Part 15 Class B EN 300386 VCCI Technical Requirements, V-3/2001.04 ANATEL Resolution 442	
Ordering Information		
EXSW-2400	24-Port Extricom Wireless LAN Switch	

Related Products	
EXSW400	4-Port Extricom Wireless LAN Switch
EXSW800	8-Port Extricom Wireless LAN Switch
EXSW-1200	12-Port Extricom Wireless LAN Switch
EXSW-800G	8-Port Extricom GbE Wireless LAN Switch
EXSW-1600	16-Port Extricom GbE Wireless LAN Switch
EXRP-20	2-Radio UltraThin 802.11a/b/g Access Point
EXRP-40	4-Radio UltraThin 802.11a/b/g Access Point
EXRP-20E	2-Radio UltraThin 802.11a/b/g Access Point with Connectors for External Antennas
EXRP-40E	4-Radio UltraThin 802.11a/b/g Access Point with Connectors for External Antennas
EXRP-30n	3-Radio UltraThin 802.11a/b/g/n Access Point
EXRP-40En	4-Radio UltraThin 802.11a/b/g/n Access Point
EXNM-2000	Extricom Wireless Network Management System

Note: Information is subject to change without prior notice.
* 802.11n does not include frame-aggregation and block ACK feature; predicted throughput is under 50Mbps.
** The EXSW-2400 includes two 10/100/1000Mbps uplink PHYs. System firmware only supports 100Mbps on a single link.