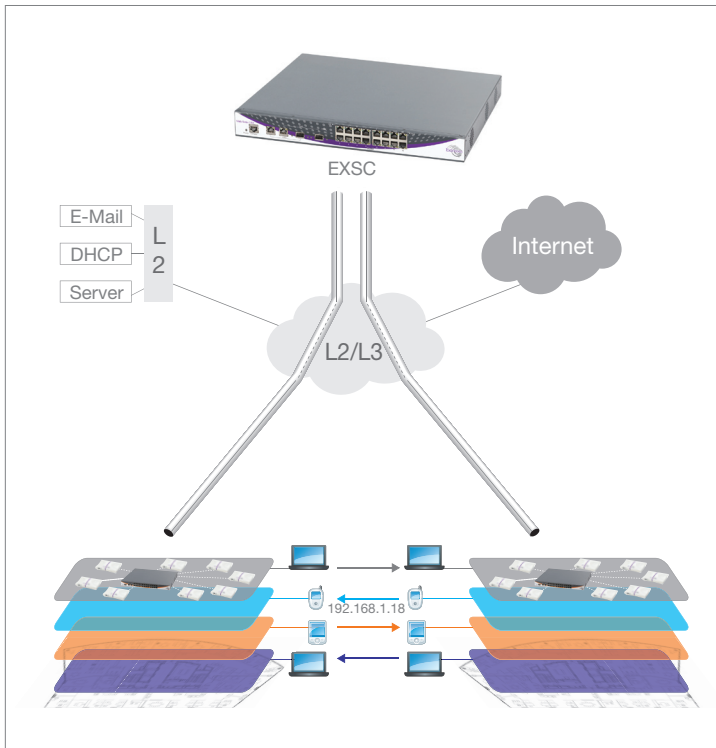# EXSC-1000 Mobility Extender

Figure 1. The Extricom Mobility Extender

Extricom's EXSC-1000 Mobility Extender is a high-performance subnet roaming device that enables continuous, "go anywhere" mobility for wireless clients roaming between Extricom WLAN switches. The EXSC-1000 is a fully featured Switch Controller that aggregates and coordinates the complete family of Extricom switches and access points in a deployment. It is designed to enhance scalability in multi-switch deployments, such as a large corporate campus with multiple buildings.

The EXSC-1000 is installed on Extricom's Multi Series 1000 generic hardware platform, and can control traffic for up to eight Extricom WLAN switches. It is based on a standard, firmware-upgradeable Extricom platform for ease of deployment and maintenance.

The EXSC-1000 is easily deployed as a L3 overlay to Extricom's edge architecture, and connected to any existing Extricom WLAN network without requiring physical or configuration changes to the network, or client-side modifications.

In an environment controlled by the EXSC-1000, wireless clients associated to an Extricom Switch on a specific network segment can roam to an Extricom switch on a different network segment (or even on a different IP subnet) completely transparently. The client retains its IP address wherever it might be in the WLAN coverage area, ensuring follow-me connectivity and application continuity

The Extricom Difference

Simple, Non-Disruptive Deployment	As an L3 overly to the existing Extricom switch deployment, the EXSC-1000 can be quickly integrated and put into production, with minimal interruption to network operations.
Complete Extended Mobility	The EXSC extends Extricom's architecture to enable complete wired and wireless mobility within a multiple switch deployment.
Continuous Connectivity	All client devices (e.g laptops, scanners, handhelds, PDAs etc.) authenticate only once while associated to the WLAN.
End-User Transparency	Wireless clients are not subject to latency or disconnections while roaming in a wide area.
Operational and Security Continuity	Supports same SSID over multiple blankets. Security policies follow users wherever they roam.
Availability	Warm Standby feature enhances overall network redundancy.

EXSC-1000 Specifications

Performance	
Number of clients	Up to 64,000
Number of switches	Up to 8
Number of APs	Up to 192

Performance	
User Interface	Secure Web-based Graphical Interface (GUI), Command Line Interface (CLI)
SNMP	Version 2c
Redundancy	Master-to-backup auto fallback
Logging	Remote and local SYSLOG
Upgrades	Firmware upgrade through Web

Security	
Encryption	802.11i hardware-based encryption, including: WEP-64 WEP-128 WPA-TKIP / AES (CCMP) WPA2-TKIP / AES (CCMP)
Authentication	RADIUS (802.1x) WPA Pre-Shared Key (PSK), WPA2 MAC Address-based ACL EAP, TLS, TTLS, LEAP, PEAP, MD5, MAC

Ordering Information	
EXSC-1000	Extricom Subnet Roaming Device

Interfaces	
WLAN Ports	Sixteen (16) Gigabit Ethernet ports with IEEE 802.3af PoE (software enabled)
LAN Ports (Uplink to Wired LAN)	Two (2) Gigabit Ethernet RJ45/SFP Combo Ports

Physical Properties		
Installation options	Rack mount (19" 1U) and desktop	
Dimensions (W x H x D)	441 x 44 x 371mm	17.4 x 1.7 x 14.6"
Weight	3.6 kg	7.9 lbs
LEDs	Power LAN Activity Activity on AP ports	
LEDs	100-240V / 5A Max PoE to WLAN ports: 15W per port LAN Activity Activity on AP ports	

Environmental	
Safety	UL 60950-1 EN 60950-1 IEC 60950-1
EMC	FCC Part 15 Class B EN 300386 VCCI Technical Requirements, V-3/2001.04

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-2400	24-Port Extricom Wireless LAN Switch
EXSW-800G	8-Port Extricom GbE Wireless LAN Switch
EXSW-1600	16-Port Extricom GbE Wireless LAN Switch
EXSW-1632C	32-Port Extricom GbE Wireless LAN Switch Cascade
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