



## Extricom MS-1000 Stand Alone Wireless LAN Switch



The MS-1000 Stand Alone Wireless LAN switch is a central component of Extricom's award-winning WLAN system, and the key building block of a new generation of business-class wireless infrastructure that scales from a single office to multi-building corporate campuses. The MS-1000 Stand Alone provides two uplink Gigabit Ethernet ports to connect to the wired LAN, and supports 16 Gigabit Ethernet ports with Power over Ethernet (PoE) to attach up to 16 Extricom UltraThin access points. The MS-1000 Stand Alone is available with either an 8-port or 16-port license.

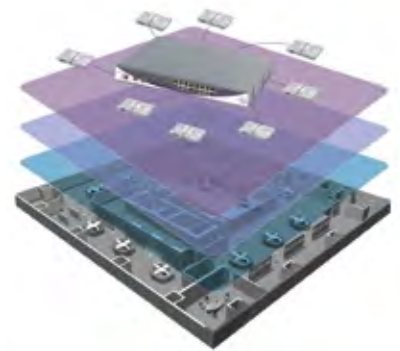
The MS-1000 Stand Alone delivers voice, data, video, and location services with a robust and mobile connection to any Wi-Fi client, in any environment. The Extricom system architecture reduces WLAN complexity, delivers high performance with predictable service, works seamlessly with

existing wired network infrastructure, and future proofs your network for tomorrow's multi-service demands. It is an IEEE 802.11n-compliant solution, combined with Extricom's unique Channel Blanket™ architecture, that revolutionizes the Wi-Fi experience for both IT administrators and wireless users.

The MS-1000 Stand Alone takes full advantage of 802.11n, with every port supporting Gigabit Ethernet. The Extricom WLAN system enables a gradual introduction of 802.11n into the enterprise. Using Channel Blankets to separate 802.11n clients from legacy 802.11a/b/g clients provides full performance for all. Only Extricom allows co-existence of both 802.11n and 802.11b/g devices in the 2.4 GHz band without throughput degradation for either type of client.

- Data & Multimedia
- Voice
- Security

Channel Blanket Architecture: Simplicity and Performance without Compromise



### The Extricom Difference

#### Simple Design and Maintenance

The 802.11n compliant MS-1000 Stand Alone delivers a smooth migration to 802.11n for enterprises. The Extricom Channel Blanket architecture is a perfect match for the unpredictable coverage patterns of 802.11n APs. In an Extricom system, overlapping coverage from adjacent UltraThin APs is not a problem.

#### Superior Wireless Connectivity

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 MS-1000 Stand Alone supports up to 16 Extricom UltraThin APs.

#### Continuous Mobility

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 on use another, and legacy 802.11b clients can be separated from newer 802.11n clients. This flexible approach translates into much higher throughput, more stable and predictable wireless LAN performance and the ability to offer service level guarantees.

#### Designed for 802.11n

TrueReuse™, an Extricom patented technology, increases capacity by permitting simultaneous transmission on the same channel within the Channel Blanket.

#### Centralized Access

The 802.11n compliant MS-1000 Stand Alone delivers a smooth migration to 802.11n for enterprises. The Extricom Channel Blanket architecture is a perfect match for the unpredictable coverage patterns of 802.11n APs. In an Extricom system, overlapping coverage from adjacent APs is not a problem.

#### Centralized Power

The 802.11n compliant MS-1000 Stand Alone delivers a smooth migration to 802.11n for enterprises. The Extricom Channel Blanket architecture is a perfect match for the unpredictable coverage patterns of 802.11n APs. In an Extricom system, overlapping

#### Service Flexibility

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 MS-1000 Stand Alone supports up to 16 Extricom UltraThin APs.

#### TrueReuse

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.

# Extricom MS-1000 Stand Alone

## Wireless LAN Switch Specifications

Please see EXOS datasheet for additional WLAN features.

Standards Compliance	
WLAN	IEEE 802.11a/b/g/n IEEE 802.11e/WMM
Ethernet	IEEE 802.3x, full/half duplex IEEE 802.3af Power over Ethernet
Security	
Encryption	802.11i hardware-based encryption for: WEP-64 and WEP-128 WPA-TKIP / AES (CCMP) WPA2-TKIP / AES (CCMP)
Interfaces	
WLAN Ports (to APs)	Sixteen (16) Gigabit Ethernet ports
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
Power	100-240V / 5A Max PoE to WLAN ports built in IEEE 802.af injectors
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
EMC	FCC Part 15 Class B EN 300386
Ordering Information	
MS-1000 Stand Alone 16-Port Extricom GbE Wireless LAN Switch Platform (Requires 8-Port or 16-Port EXOS License)	

Related Products	
Extricom LC-800G	8-Port EXOS License For MS-1000 Stand Alone Platform
Extricom LC-1600	16-Port EXOS License For MS-1000 Stand Alone Platform
Extricom SU 800GU	Upgrades Extricom LC-800G To Extricom LC-1600
Extricom SU 1600TR	License for TrueReuse
Extricom MS-500	8-Port WLAN Switch Platform
Extricom MS-1000 Cascade	32-Port WLAN Switch Cascade
Extricom RP-30n	3-Radio UltraThin 802.11a/b/g/n Access Point
Extricom RP-40En	4-Radio UltraThin 802.11a/b/g/n Access Point with Connectors for External Antennas
Extricom RP-20	2-Radio UltraThin 802.11a/b/g Access Point
Extricom RP-40	4-Radio UltraThin 802.11a/b/g Access Point
Extricom RP-20E	2-Radio UltraThin 802.11a/b/g Access Point with Connectors for External Antennas
Extricom RP-40E	4-Radio UltraThin 802.11a/b/g Access Point with Connectors for External Antennas
Extricom RE-1000	PoE Range Extender
Extricom MC-1000	Media Converter
Extricom NMS	Wireless Network Management System

Note: Information is subject to change without prior notice.



### About Extricom:

Extricom is a manufacturer of 4th generation enterprise wireless LAN solutions, based on its Channel Blanket™ technology. While adhering to the 802.11 a/b/g/n standard, Extricom's patented, Interference-Free architecture takes a completely new approach to the way the infrastructure is deployed. The Channel Blanket topology provides wire-like reliability, high throughput, seamless mobility, unparalleled noise immunity, and is easy to install and maintain. In an era of intensive wireless usage powered by the market explosion of smart phones, iPads, iPods, tablets and other communication devices, voice, data, video, and location services are delivered with an always-on, robust and mobile Wi-Fi connection to any client, in any environment. Extricom Interference-Free™ WLAN is purpose-built to slash wireless complexity and future-proof your network for tomorrow's multi-service demands.

Extricom solutions are in use by customers operating in numerous industries worldwide, including Education, Healthcare, Manufacturing, Logistics and Warehousing, Retail and Public Venues. They have discovered the uncompromising performance, reliability and ease of ownership that are the hallmark of the Extricom WLAN.

Extricom serves its growing global customer base through offices in the USA, Europe and Japan, and by working with a global network of distributors and partners.

For more information, visit us at [www.extricom.com](http://www.extricom.com).



BEC (Systems Integration) Ltd  
Blakewater House, Phoenix Park  
Blakewater Road, Blackburn, BB1 5RW  
[www.becsi.co.uk](http://www.becsi.co.uk) +44 (0) 1254 688 088