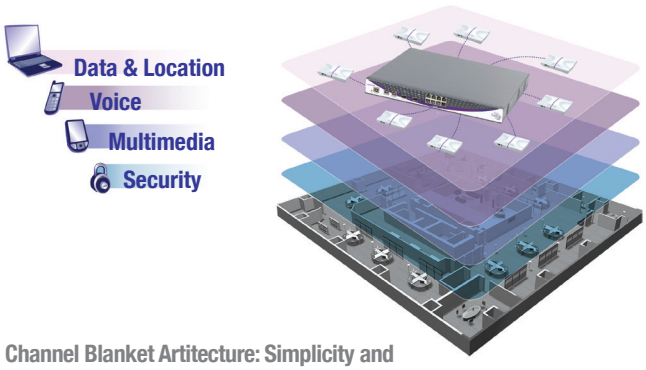
Extricom MS-500 Wireless LAN Switch

The Extricom MS-500 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-500 provides two uplink Gigabit Ethernet ports to connect to the wired LAN, and supports eight Gigabit Ethernet ports with Power over Ethernet (PoE) to attach up to 8 Extricom UltraThin access points. The MS-500 is available with a 4-port or 8-port license.

The MS-500 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.



Channel Blanket Artitecture: Simplicity and Performance without Compromise

The MS-500 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.

The Extricom Difference

Simpler Design and Maintenance	The Extricom WLAN System reduses 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 use the same channel in the channel Blanket architecture, and the Extricom wireless Lan 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 client transmission and chooses thebest AP to transmit the rply, making the systeme highlt resilient to RF interference and ensuring the higest possible throughput.
Continuous Mobility	Client devices move anywhere within the Wxtricom Channel Blanket without experiencing inter-AP handoffs, re-authentication, or latency, enabling seamless mpbility for wnterprise wireless LANs.
Designed for 802.11n	The 802.11n compliant Extricom MS-500 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.
Centralized Access	Extricom switches coordinate media access for all 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 Extricom MS-500 supports up to eight Extricom UltraThin APs.
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 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.

Extricom MS-500 Wireless LAN Switch Speci.cations

Please see EXOS datasheet for additional WLAN features.

Standards Compliance	
WLAN	IEEE 802.11a/b/g/n IEEE 802.11e/WMM
Ethernet	IEEE 802.3ab 1000BASE-T IEEE 802.1x, full/half duplex IEEE 802.3af Power over Ethrnet
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)	Eight (8) Gigacit Ethernet porta
LAN Ports (Up link to wired LAN)	Two (2) Gigabit Ethernet RJ45/SFP Combo Ports
Advanced Features	
IPv6	IPv6 over 802.11
Physical Properties	
Installation Options	Rack mount (19'' 1U) and desktop
Dimentions	441 x44 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
Enviromental	
Operational	Temprature: 0°C to 45°C (32°F tho 113°F) Humidity: 0% to 90%, non-condensing
Storage	Temprature: -20°C to +70°C (-4°F tho 158°F) Humidity: 0% to 90%, non-condensing
Regulations Aproval	
Safty	UL 60950-1 EN60950-1
EMC	FCC Part 15 Class B EN 300386
Ordering Information	
	Extricom MS-500 8-Port Extricom GbE Wireless LAN Switch Platform (Requires EXOS License)

Related Products	
Exrticom LC-400G	4-Port EXOS License For Extricom MS-500 Platform
Exrticom LC-800G-8	8-Port EXOS License For Extricom MS-500 Platform
Exrticom SU 400GU-8	Exrticom LC-400G To Exrticom LC-800G-8 Upgrade For Extricom MS-500 Platform
Extricom MS-1000 Stand Alone	16-Port WLAN Switch Platform
Exrticom LC-800G-16	8-Port EXOS License For MultiSeries 1000 Platform
Exrticom LC-1200G	12-Port EXOS License For MultiSeries 1000 Platform
Exrticom LC-1600	16-Port EXOS License For MultiSeries 1000 Platform
Exrticom MS-1000 Cascade	32-Port WLAN Switch Cascade
Exrticom RP-30n	3-Radio UltraThin 802.11a/b/g/n Access Point
Exrticom RP-40En	4-Radio UltraThin 802.11a/b/g/n Access Point with Connectors for External Antennas
Exrticom RP-20	2-Radio UltraThin 802.11a/b/g Access Point
Exrticom RP-40	4-Radio UltraThin 802.11a/b/g Access Point
Exrticom RP-20E	2-Radio UltraThin 802.11a/b/g Access Point with Connectors for External Antennas
Exrticom RP-40E	2-Radio UltraThin 802.11a/b/g Access Point with Connectors for External Antennas
Exrticom RE-1000v	PoE Range Extender
Exrticom MC-1000	Media Converter
Exrticom NM-2000z	Wireless Network Management System

Note: Information is subject to change without prior notice. be configured as standalone devices.