

Extricom™ Series MS-500

Mid-Size Enterprise Wlan Switch Platform

The Allied Telesis Extricom MS-500 Wireless LAN switch is a central component of the Extricom Series wireless LAN system. It is the key building block of a new generation of business-class wireless infrastructure that scales from a single office to multi-building corporate campuses.



Overview

The AT-EXMS-500 delivers voice, data, video, and location services with a robust and mobile connection to any Wi-Fi client, in any environment. The Extricom Series 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 802.11ac-compliant solution, combined with the Extricom Series patented Channel Blanket™ architecture, which revolutionizes the Wi-Fi experience for both IT administrators and wireless users.

The AT-EXMS-500 switch platform takes full advantage of 802.11ac, with every port supporting Gigabit Ethernet. The Extricom Series WLAN system enables a gradual introduction of 802.11ac into the Enterprise. Using Channel Blankets to separate 802.11ac clients from legacy 802.11a/b/g/n clients provides full performance for all.

In addition, the Channel Blanket architecture allows the co-existence of both 802.11ac and 802.11n devices in the 5 GHz band, without throughput degradation for either type of client.

Key Features

Patented Channel Blanket Architecture provides unprecedented ease of installation

- ▶ Allied Telesis Extricom Series WLAN deployment does not require cell planning, and facilitates true plug-and-play deployment. Moreover, the Extricom Series Channel Blanket architecture is a perfect match for the unpredictable coverage patterns of 802.11ac and 802.11n APs. In the Channel Blanket deployment, overlapping coverage from adjacent UltraThin Access Points (APs) is not a problem.

Superior scalability

- ▶ The Allied Telesis 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. Each AT-EXMS-500 supports up to 8 UltraThin APs, up to 4 Channel Blankets, and a maximum of 32 radios.

Continuous mobility

- ▶ Allied Telesis Extricom Series 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 another, and legacy 802.11n clients can be separated from newer 802.11ac

or other 802.11n clients. This flexible approach translates into much higher throughput, more stable and predictable wireless LAN performance, and the ability to offer guaranteed service levels.

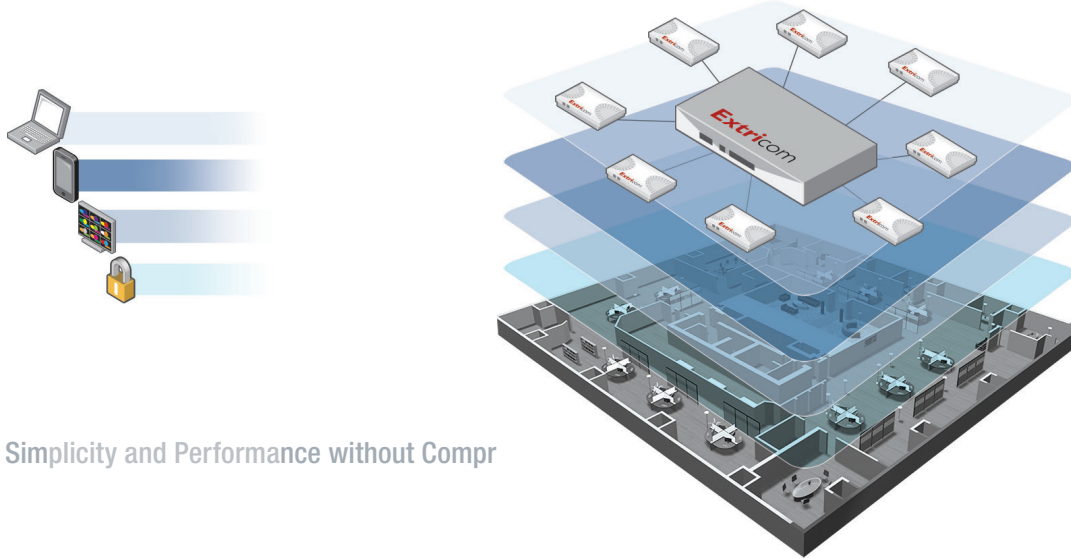
Centralized management

- ▶ AT-EXMS-500 platforms are managed by a user-friendly Web Management application, in small deployments or with the CloudBlanket NMS, a comprehensive cloud-based system that enables the efficient management of large deployments.
- ▶ Both management platforms implement the Fault, Configuration, Accounting, Performance, and Security (FCAPS) model.

Flexible connectivity

- ▶ Each AT-EXMS-500 provides two uplink Gigabit Ethernet ports to connect to the wired LAN, and supports 8 Gigabit Ethernet ports with Power over Ethernet (PoE) to attach up to 8 Extricom UltraThin APs.

Channel Blanket Architecture



Simplicity and Performance without Compr

Specifications

WLAN Standards

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 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)	Eight (8) Gigabit Ethernet ports
LAN Ports (Up link to wired LAN)	Two (2) Gigabit Ethernet RJ45/ SFP Combo Ports

Advanced features

IPv6	IPv6 over 802.11
------	------------------

Physical Specifications

Dimensions (W x H x D)	441 mm x 44 mm x 371 mm (17.4 in x 1.7 in x 14.6 in)
Weight	3.6 kg (7.9 lbs)

Installation options

Rack mount (19" in 1U) and desktop

LEDs

Power
LAN Activity
Activity on AP ports

Power

100-240V/5A Max
PoE to WLAN ports
Built in IEEE 802.af injectors

Environmental

Operating temperature	0°C to 45°C (32°F to 113°F)
Operating humidity	0% to 95%, non-condensing
Storage temperature	-20°C to 70°C (-4°F to 158°F)
Storage humidity	0% to 90%, non-condensing

Regulations Approval

Safety	UL60950-1 EN60950-1 FCC Part 15 Class B EN 300386
EMC	

Related Products

AT-EXLC-CBNMS-ADV
CloudBlanket NMS license

AT-EXRP-22n

UltraThin Two-radio, Two-stream Access Point, equipped with 2 x 802.11 a/b/g/n radios with internal antennas

AT-EXRP-22En

Extricom UltraThin access point, 2 x 802.11a/b/g/n dual-stream radios, connectors for external antennas, metal enclosure

AT-EXRP-32n

Extricom access point, 3 x dual-stream 802.11n radios

AT-EXRP-32EOn

Extricom ruggedized outdoor access point, 3 x dual-stream 802.11n radios, with connectors for external antennas

AT-EXRE-1000

Power over Ethernet (PoE) Range Extender for 100/1000Mbps

AT-EXMC-1000

Media converter (Fiber-Copper; Copper- Fiber)

Ordering Information

AT-EXMS-500

Extricom Series 8-Port WLAN switch platform