

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.

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 802.11n, 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.

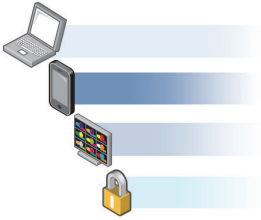
Centralized management

» 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.

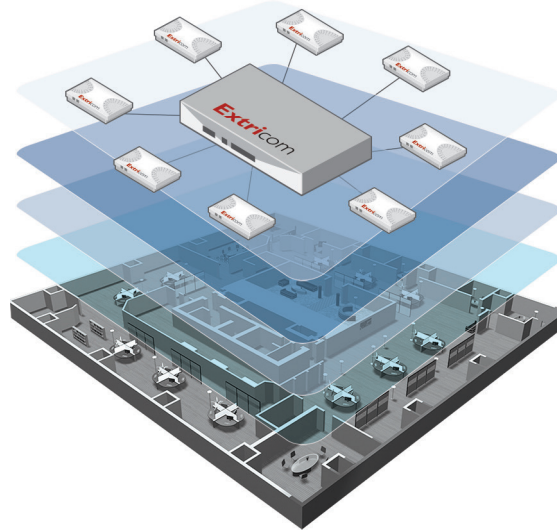
» Both management platforms implement the Fault, Configuration, Accounting, Performance, and Security (FCAPS) model.

Flexible connectivity

» Each AT-EXMS-500 provides two uplink Gigabit Ethernet ports to connect to the wired LAN, and supports 16 Gigabit Ethernet ports with Power over Ethernet (PoE) to attach up to 16 Extricom UltraThin APs. A pair of AT-EXMS-500 switches can be cascaded together and connected to 32 Extricom UltraThin APs. The hardware platform in stand-alone deployments is available with 8, 12 and 16-port licenses. In the cascade mode it is available with a 32-port license.



**Channel Blanket Architecture:
Simplicity and Performance without Compromise**



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
Power	Activity on AP ports 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
EMC	FCC Part 15 Class B EN 300386

Ordering Information

AT-EXMS-500
8-Port Extricom GbE Wireless LAN Switch Platform
(Requires License)

AT-EXLC-400G
Extricom Series License for 4 port standalone
AT-EXMS-500 switch

AT-EXLC-800G-8
Extricom Series License for 8 port standalone
AT-EXMS-500 switch

AT-EXSU-400GU-8
Extricom Series Upgrade License of AT-EXLC-400G
to AT-EXLC-800G-8 on the AT-EXMS-500 switch

Related Products

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-32EO n
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)

AT-EXLC-CBNMS
CloudBlanket NMS license