Extricom™ Series MS-1000
WIRELESS LAN SWITCH

The Allied Telesis Extricom MS-1000 Wireless LAN switch is a central component of the Extricom Series WLAN 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-1000 platform delivers voice, data, video, and location services with a robust and mobile connection to any Wi-Fi client and in any environment. The Extricom Series architecture reduces WLAN complexity, delivers high performance with predictable service, works seamlessly with existing wired network infrastructure, and future proofs WLAN networks for tomorrow's multi-service demands. It is an IIEEE 802.11-compliant solution, combined with Extricom Series unique Channel Blanket™ architecture, which revolutionizes the Wi-Fi experience for both IT administrators and wireless users.

The AT-EXMS-1000 switch platform takes full advantage of 802.11ac, with every port supporting Gigabit Ethernet. The Extricom WLAN system enables a gradual introduction of 802.11ac into the Enterprise by using different Channel Blankets to separate 802.11ac clients from legacy 802.11a/b/g/n clients, and providing 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 an unprecedented ease of installation
» Allied Telesis Extricom Series WLAN deployment does not require cell planning, and facilitates true plug-and-play deployment. The Extricom Series Channel Blanket architecture is a perfect match for the unpredictable coverage patterns of 802.11ac and 802.11n Access Points (APs). In the Channel Blanket deployment, overlapping coverage from adjacent UltraThin APs is not a problem.

Superior scalability
» 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. Each AT-EXMS-1000 supports up to 16 UltraThin APs in the standalone configuration and up to 32 UltraThin APs when in Cascade. Up to eight AT-EXMS-1000 platforms can be connected to an AT-EXLS-3000 system, providing continuous Channel Blanket support of 128 APs.

Continuous mobility
» 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.
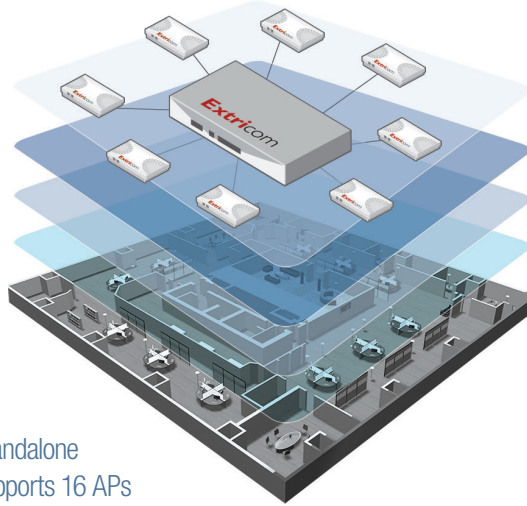
Centralized management
» AT-EXMS-1000 platforms are managed by a user-friendly Web Management application, in small deployments or with the CloudBlanket NMS, a comprehensive cloud-based system that enables the efficient management of large deployments. Both management platforms implement the Fault, Configuration, Accounting, Performance, and Security (FCAPS) model.
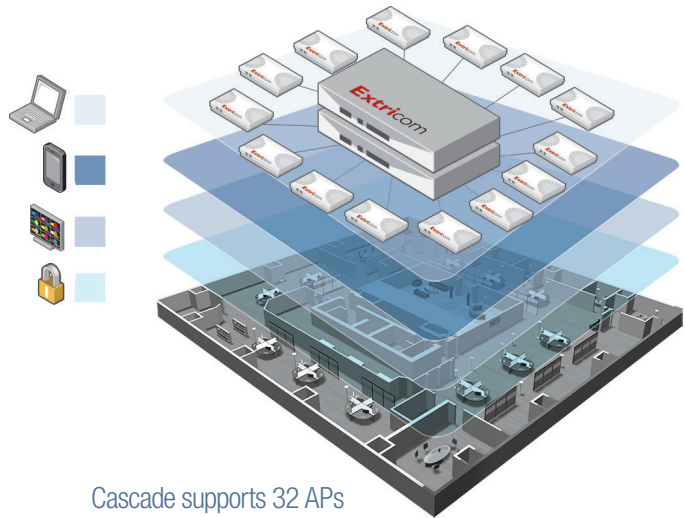
Flexible connectivity
» Each AT-EXMS-1000 provides two uplink Gigabit Ethernet ports to connect to the wired LAN, and supports 16 Gigabit Ethernet ports with Power over Ethernet (PoE) to attach up to 16 Extricom UltraThin APs. A pair of AT-EXMS-1000 switches can be cascaded together and connected to 32 Extricom UltraThin APs. The hardware platform in standalone deployments is available with 8, 12 and 16-port licenses. In the cascade mode it is available with a 32-port license.

AT-MS-1000 | Wireless LAN Switch

Channel Blanket Architecture: Simplicity and Performance without Compromise

Standalone supports 16 APs

Cascade supports 32 APs

Specifications

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 Specifications

Dimensions (W × H × D)	441 mm × 44 mm × 371 mm (17.4 in × 1.7 in × 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 90%, 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-1000
16-Port WLAN Switch Platform

AT-EXLC-800G-16
Extricom Series License for 8 port standalone AT-EXMS-1000 switch

AT-EXLC-1200
Extricom Series License for 12 port standalone WLAN Switch on an AT-EXMS-1000

AT-EXLC-1600
Extricom Series License for 16 port standalone AT-EXMS-1000 switch

AT-EXSU-800GU-12
Extricom Series Upgrade License of AT-EXLC-800G-16 to AT-EXLC-1200G on the AT-EXMS-1000 platform

AT-EXSU-800GU-16
Extricom Series Upgrade License of AT-EXLC-800G-16 to AT-EXLC-1600 on the AT-EXMS- 1000 platform

AT-EXSU-1200GU-16
Extricom Series Upgrade License of AT-EXLC-1200G to AT-EXLC-1600 on the AT-EXMS-1000 platform

AT-EXLC-3200
Extricom Series License for 32 port WLAN Switch Cascade topology on two AT-EXMS-1000 switches

AT-EXLC-3200R
Extricom Series License for 32 port resiliency which supports redundancy between cascade switches

Related Products

AT-EXLS-3000
8-Port GbE Wireless LAN Switch (Requires License)

AT-EXRP-22n
Extricom access point, 2 × dual-stream 802.11n radios

AT-EXRP-22En
Extricom UltraThin access point, 2 × 802.11a/b/g/n dual-stream radios, connectors for external antennas, metal enclosure

AT-EXRP-32n
Extricom access point, 3 × dual-stream 802.11n radios

AT-EXRP-32EOn
Extricom ruggedized outdoor access point, 3 × 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 convertor (Fiber-Copper; Copper- Fiber)

AT-EXLC-CBNMS
CloudBlanket NMS license

Allied Telesis

the **solution** : the **network**