

# Extricom™ Series EXMC-1000

## Wlan Media Converter

The Allied Telesis Extricom EXMC-1000 Media Converter allows users to extend the size of their Wireless LAN (WLAN) with the use of fiber cabling.



### Overview

The AT-EXMC-1000 functions as a GbE range extender, providing fiber connectivity to Extricom Access Points (APs) and Extricom WLAN switches at distances of up to 600 meters<sup>1</sup>. The AT-EXMC-1000 can be easily installed in any implementation and is connected to the WLAN switch or AP with Cat-5e/6 cable through a standard RJ45 port.

The AT-EXMC-1000 provides an extended level of deployment flexibility for large-scale Channel Blanket deployments, as it does not need the extensive power infrastructure that fiber deployments often require. The switch-side media converter is powered via Power over Ethernet (PoE) from the WLAN switch or optional external power supply. The AP-side media converter is powered via external power supply and provides PoE to the AP<sup>2</sup>. Effectively, a 700-meter fiber run to an AP will require only a single power supply.

The AT-EXMC-1000 epitomizes the strengths of an Extricom Series solution – robust simplicity and durability throughout the lifetime of the product.

<sup>1</sup> If switch and AP are GbE enabled.

<sup>2</sup> Allied Telesis offers optional external power adapters AT-EXPA-2P48-XX.

### Specifications

#### Standards

Ethernet IEEE 802.3x, full/half duplex

#### Interfaces

Switch Side	RJ45 port SFP port
AP Side	RJ45 port SFP port 48VDC

#### Regulatory Compliance (in-process/ planned)

Safety	IEC 60950-1
EMC	FCC Part 15 class B EN 300386 VCCI Tech. Req., V-3/2001.04

#### Physical Specifications

Dimensions (W x H x D)	161 mm x 38 mm x 107 mm (6.3 in x 1.5 in x 4.2 in)
Weight	0.25 kg (0.55 lbs)
Installation options	Built-in mount holes on each side
LEDs	Switch side: PoE Link 100/1000
	AP side: Link 100/1000
Power Consumption	Typical Power Consumption: 3.9W Max Power Consumption: 4.2W 48V PoE current consumption: 95mA (measured with 100m cable)

#### 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

## Key Features

### Increased Range

- ▶ Extends reach of Extricom WLAN to 600 meters

### Simple Install

- ▶ Connectivity via Cat-5e/6 cable and integrated SFP

### Deployment Flexibility

- ▶ Requires only one power supply, greatly simplifying power infrastructure planning

### Ordering Information

#### AT-EXMC-1000

Media converter (Fiber-Copper; Copper- Fiber)

#### Optional Accessories

#### AT-EXPA-2P48-XX

AC/DC power adapter

Where xx = 10 for US power cord  
20 for no power cord  
30 for UK power cord  
40 for Australian power cord  
50 for European power cord