

# MaxLine Solutions Limited

This flexible single box solution features ease of use configuration through built-in discovery, and web enablement of legacy/proprietary systems. This makes this driver solution a compact and simple solution to future proof your legacy installed devices.

By using this driver, you are opening up your legacy BAS network to other new Supervisory control systems which are readily available. This is a huge money saving product which extends the asset cycle and value of your existing proprietary legacy devices.

## MIM312



## Product overview

The MIM312, from MaxLine, is a clever and compact solution now available on the market for a standalone BACnet solution that allows users to integrate their legacy system devices without special tools, or platforms.

## Built on the Web server (HTML5)

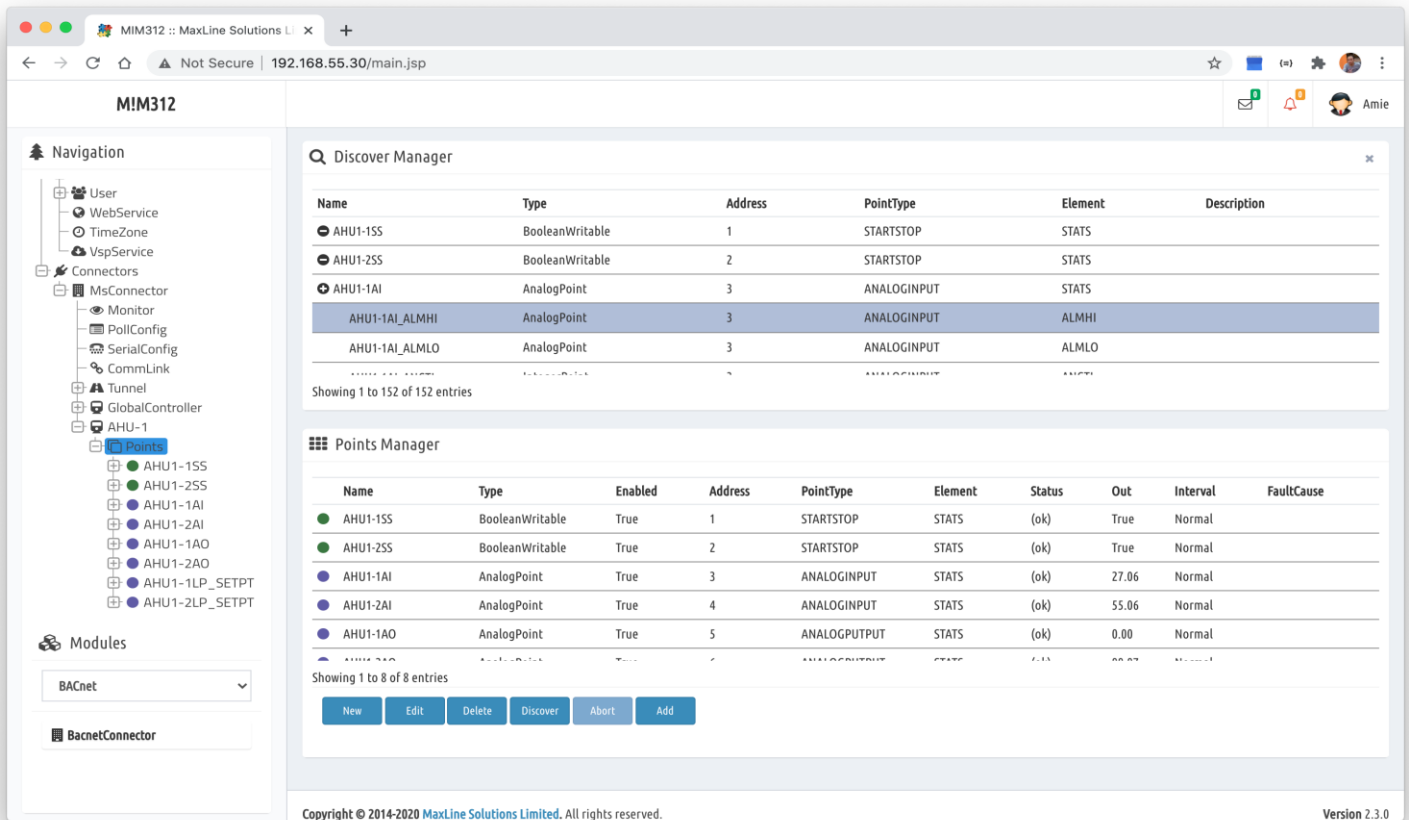
It has a web toolset software environment that solves the challenges associated with building Internet-enabled products, device-to-enterprise applications and distributed Internet-enabled automation systems. It takes the concept of normalizing the data and behavior of diverse devices, regardless of manufacturer or communication protocol, to enable the implementation of seamless, Internet-connected, web-based systems to the next level.

## Opening up Protocols, extending the life of existing sensitive system

It allows customers to have a level of flexibility to minimize workflow disruption and helps to choose controllers and solutions from different manufacturers. But to be truly open, you need to be able to select among devices supporting any protocol. Using the capabilities of the new MIM312, along with MaxLine's toolsets and drivers, this gives you the ability to truly select the best of breed solutions with minimal disruption to existing workspaces. Many times, a customer needs to integrate a legacy control system into the popular open BACnet system. These legacy systems often do not support the newer protocols such as BACnet. This often requires developers to write a special software driver to communicate with each system, and to continually support them, it is no simple challenge.

## Ease of use – Built-in Network discovery

As with all state-of-the-art driver developments on the MIM312 controller, MaxLine's drivers have ease of use features such as built-in Network Discovery, along with device and object discovery, once connected. These eases of use feature save a tremendous amount of engineering hours on jobs where time, costs and disruption time are very important.



## Hardware Specification

- ARM 7 CPU 4-Core A9, 1.4GHz Main Processor.
- 512MB DDR3 High-performance memory.
- MLC eMMC 8GB onboard eMMC.
- Micro SD card reader.
- 2x 10/100 Ethernet Port.
- 1x RS232/RS485.
- 3x RS485.
- RTC.
- 24 AC/DC Power.

Mechanical	Dimensions	129mm × 116mm × 29mm (LxWxH)
	Material	Metal
	Weight	260g
Electrical	Power Supply	9 ~ 24AC or 9 ~ 24DC
	Consumption	500mA at 24AC/DC
	Operating Temp	-40 ~ 85 °C
	Storage Temp	-40 ~ 85 °C
	Operating Humidity	20 ~ 90%RH non-condensing

## Communication

Physical Interface 1, 2, 3 and 4	EIA-485 (BUS A, B, C and D) Two-wire, Half Duplex
Ethernet Support	10/100 Mbps

## Protocol

<b>Support Interface</b>		
<b>Protocol</b>	<b>BACnet IP Server</b>	<b>Via ethernet TCP/IP connection</b>

<b>Support Driver</b>		
<b>Protocol</b>	<b>Barber Colman NW8K - Asd</b>	<b>Via 4x RS485 Connection</b>
	<b>Robertshaw - Microsmart</b>	
	<b>Siemens Apogee – P1 TEC Controller</b>	
	<b>Johnson N2</b>	
	<b>Honeywell Cbus XL Family</b>	
	<b>Many more...</b>	

## Network System Architecture

