

# MaxLine Solutions Ltd

Features such as ease of use, through built-in discovery, and web enablement of legacy/proprietary systems makes this driver a perfect fit to bring your system into the 21st Century.

Using this driver, and opening up your BAS network to other new control systems which are readily available, is a huge money saver Product.

## MIG112-FE



## Product overview

The MIG112-FE-Gateway, from MaxLine, is the available product on the market for BACnet and Haystack that allows users to integrate legacy system.

## Built on the Web server (HTML5)

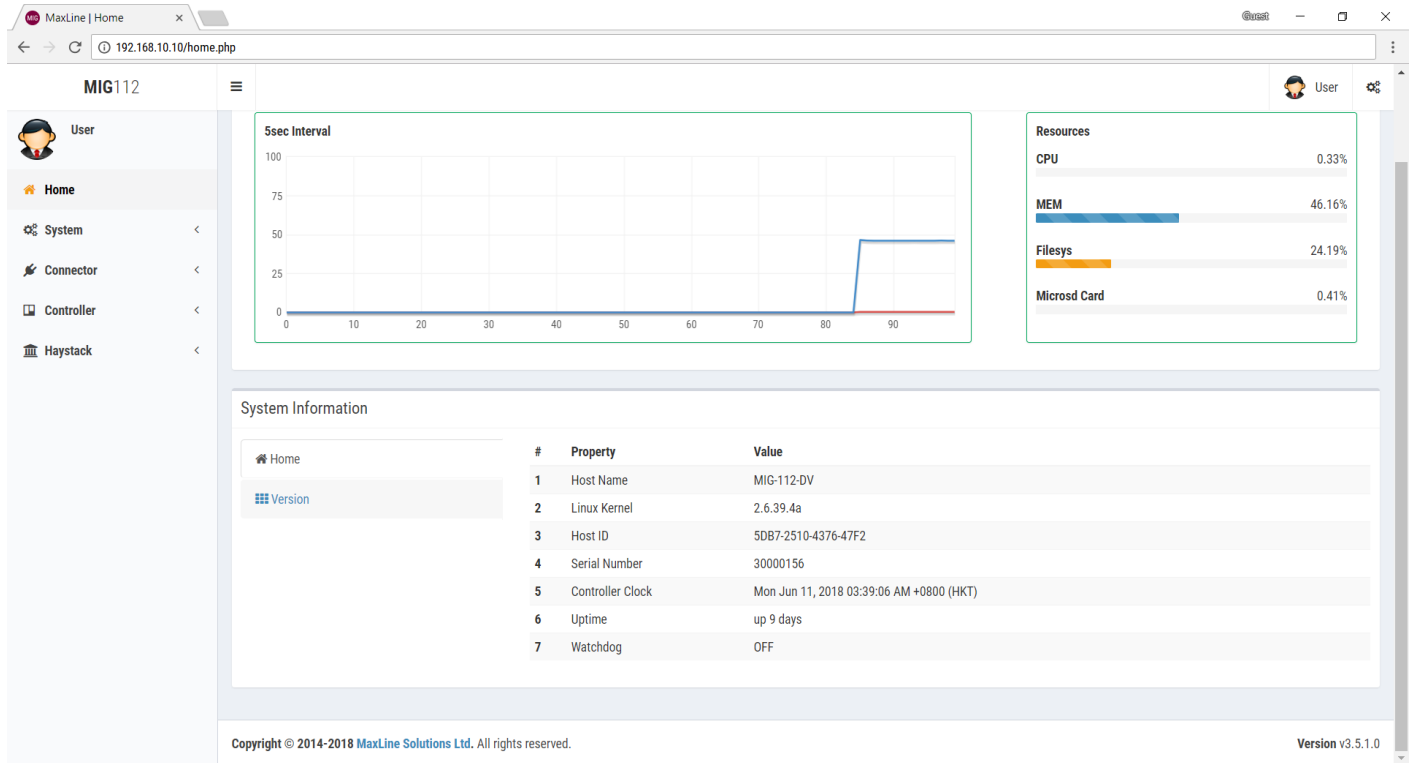
MIG-112 has a web toolset software environment that solves the challenges associated with building Internet-enabled products, device-to-enterprise applications and distributed Internet-enabled automation systems. MIG112 takes the concept of normalizing the data and behavior of diverse devices, regardless of manufacturer or communication protocol, to enable the implementation of seamless, Internet-connected, web-based systems to the next level.

## Opening up Protocols

MIG112 allow customers to have a level of flexibility to choosing controllers from different manufacturers. But to be truly open and you need to be able to select among devices supporting any protocol. Using the capabilities of MIG112, along with MaxLine's toolsets and drivers, give you the ability to truly select best of breed solutions for your needs. Many times a customer needs to integrate a legacy control system into the BACnet and Haystack framework. These legacy systems often do not support the newer protocols such as BACnet and Haystack. This requires developers to write a driver to communicate with each system.

## Ease of use – Built-in Network discovery

As with all state-of-the-art driver development on the MIG112 controller goes, MaxLine’s drivers have ease of use features such as built-in Network Discovery, along with device and object discovery once connected. This ease of use feature saves a tremendous amount of engineering hours on jobs where time is of the essence.



## Hardware Specification

- ARM 9 S3C2416 400MHz Main Processor.
- 64 Mb RAM.
- 128 Mb NAND Flash.
- Micro SD card reader.
- 1x 10/100 Ethernet Port.
- 1x RS232 DB9.
- 2x RS485.
- RTC.
- 24 AC/DC Power.

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|            |                    |   |
|------------|--------------------|---|
| Mechanical | Dimensions         | 5.2 in × 4.7 in × 1.7 in (131mm × 119mm × 44mm) |
|            | Material           | Plastic   |
|            | Weight             | 350g  |
| Electrical | Power Supply       | 24V AC +/- 5% or 24V DC +20%/-15%               |
|            | Consumption        | 500mA at 24VAC/VDC                              |
|            | Operating Temp     | 32 to 150 Deg-F (0 to 65 Deg-C)                 |
|            | Storage Temp       | -4 to 150 Deg-F (-20 to 65 Deg-C)               |
|            | Operating Humidity | 10% to 95% relative humidity non-condensing     |

## Network Specification

|                                       |  |
|---------------------------------------|--|
| Physical Interface 1 & 2 (Port 1 & 2) | EIA-485 (BUS A, B) Two-wire, Half Duplex |
| Physical Interface 3 (Port 3)         | EIA/TIA-232, 9 pin D-shell connector     |
| Ethernet Support                      | TCP/IP                                   |

## Support Protocol

| Support Interface |                  |                                |
|-------------------|------------------|--------------------------------|
| Protocol          | BACnet IP Server | via Ethernet TCP/IP connection |
|                   | Haystack Server  |                                |

| Support Driver |                                    |                         |
|----------------|------------------------------------|-------------------------|
| Protocol       | Siemen Apogee - P1 (TEC)           | via 2x RS485 Connection |
|                | Barber Colman - Asd                |                         |
|                | Coming soon. More protocol support |                         |

# FE Network System Architecture

