

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 Bridge Controller



Product overview

The RS-232 / 485 Bridge Converter driver, from MaxLine, is the available driver on the market for Niagara AX that allows users to integrate with the legacy driver product.

Built on the Web server (HTML5)

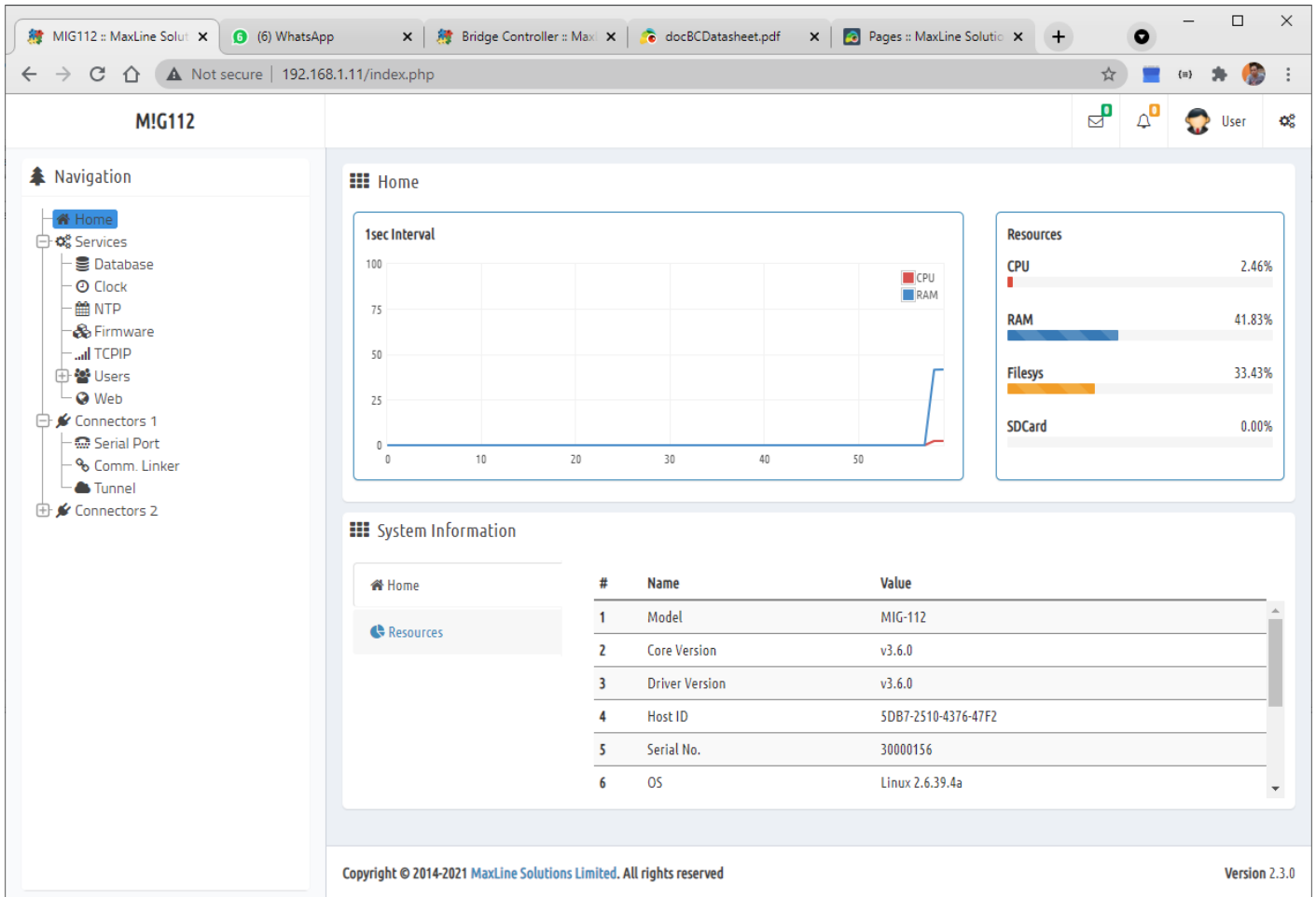
MIG112 has a web toolset software environment that solves the challenges associated with building Internet-enabled products, device-to-enterprise applications and distributed Internet-enabled automation systems. MIG112 takes the concept of normalizing the data and behavior of diverse devices, regardless 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 Niagara AX framework. These legacy systems often do not support the newer protocols. 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.



The screenshot shows a web browser window displaying the MIG112 interface. The browser tabs include 'MIG112 :: MaxLine Solut...', '(6) WhatsApp', 'Bridge Controller :: Max...', 'docBCDatasheet.pdf', and 'Pages :: MaxLine Solutio...'. The address bar shows '192.168.1.11/index.php'. The interface features a navigation menu on the left with options like Home, Services, Database, Clock, NTP, Firmware, TCP/IP, Users, Web, Connectors 1, Serial Port, Comm. Linker, Tunnel, and Connectors 2. The main content area is divided into sections: 'Home' with a '1sec Interval' graph showing CPU and RAM usage, and 'Resources' with a table of system resources. Below these is a 'System Information' section with a table of system details.

#	Name	Value
1	Model	MIG-112
2	Core Version	v3.6.0
3	Driver Version	v3.6.0
4	Host ID	SDB7-2510-4376-47F2
5	Serial No.	30000156
6	OS	Linux 2.6.39.4a

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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.

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 Driver		
Available Firmware	RAW	via 1x RS232 Connection
	TAP (Teleocator Alpha Numeric)	
	Honeywell Cbus XL Family	via 2x RS485 Connection
	Robershaw Microsmart	

TCP/UDP < > RS485 Network System Architecture

