ALPHA™ Gateway Interface

Connect your Industrial Network to ALPHA™ Displays!

ADAPTIVE's PLC Gateway interfaces provide you with the ability to display real-time messages for your employees by linking your PLC's Industrial Network to ADAPTIVE's ALPHA™ marquees. Our Gateways allow for ALPHA messaging marquees to interface with **DeviceNet, Profibus, Modbus Plus, Data Highway+ or Modbus ASCII.**

The PLC's Ladder Logic triggers messages that are stored in the displays. The Gateway responds to bits stored in specific registers of the PLC to enable and disable specific messages managed within the marquee. Messages range from real-time production statistics to alarms or events. PLC variable data such as counts, speed and production information can be passed through the Gateway to be displayed on the marquees in real-time.

Each message within the database includes the ability to define color, character height, message urgency and other attributes, such as flashing or the insertion of variables. These attributes are established using a simple Windows-based Gateway Messaging Editor program.

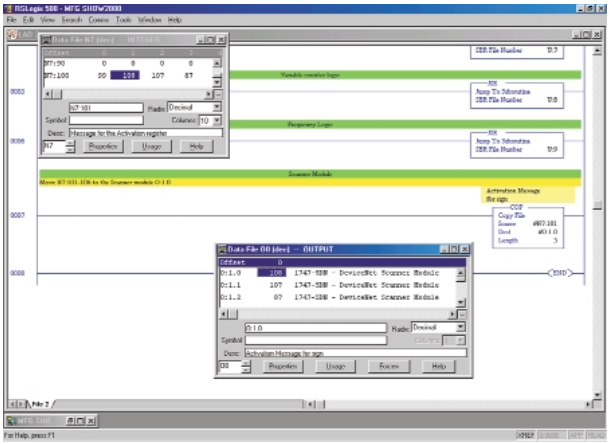
ADAPTIVE's ALPHA 4000 and 7000 marquees can be connected to the Gateway and networked via RS485 between each of the marquees.

Standard Features

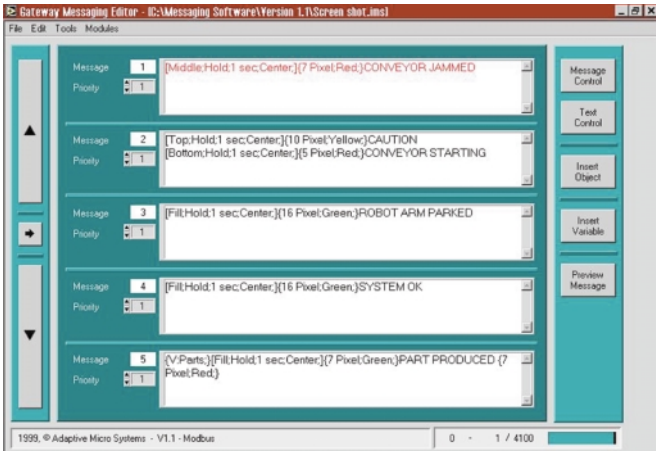
- *Networks supported: DeviceNet, Profibus, Modbus Plus, Modbus ASCII and Data Highway +*
- *Message capacity: over 4,000 messages can be stored & displayed*
- *Variables: 100 data variables can be included*
- *Communication capability via RS485 marquees*
- *Message attributes: colors, character heights, fonts, message priorities, flashing, scroll & rotate*
- *Gateway Messaging Editor Software included*
- *Compatible with ALPHA™ 4000 and 7000 displays*
- *1 year warranty*

Gateway Interface Specifications

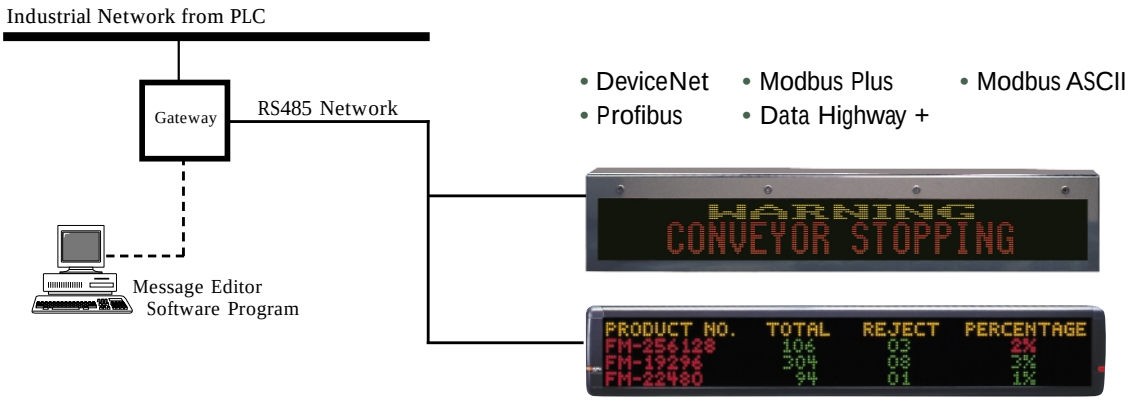
Networks	DeviceNet, Profibus & Modbus Plus	Data Highway Plus
Physical Dimensions	5.375"W x 4.0"H x 4.25"D	6"W x 3"H x 3.75"D
Enclosure	Plastic	Steel
Mounting	DIN Rail	Keyhole Mounting
Weight	2lbs	2lbs
Environmental Operating Temperature	0-70° C	0-70° C
Power Requirements	24 VDC / 25 Watts	24 VDC / 25 Watts
Output	Adaptive's Gateway Protocol (Modbus ASCII)	Adaptive's Gateway Protocol (Modbus ASCII)
Connections Industrial Network Port	Network dependent, DB9 or Screw Terminals	Screw Terminals
RS 485 Out Display Port	Screw Terminals	Screw Terminals
LED Status Indicators	Yes	Yes
Warranty	1 year	1 year
Display Compatibility	4000 & 7000	4000 & 7000



Sample PLC Ladder Logic



Gateway Message Editor



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