ATLAS
GPI Smart Matrix

Lets Incompatible GPI Devices Work Together
"It's a must-have for every broadcast facility and remote truck"
Featuring Boolean Logic Output Processing



GPI/Tally Programmable Crosspoint Switch Matrix and Logic Processor

Atlas™ is Highly Programmable Crosspoint Smart Switch Matrix and Logic Processor for GPI and Tally.

It's the ideal solution for correcting any GPI/Tally interface incompatibility, in that it provides a variety of connections and a number of methods of modifying them to perfectly suit the task at hand.

Inputs
Atlas offers 24 TTL/CMOS compatible inputs with internal pull-ups to +5 volts and referenced to ground on 25 pin D-sub connectors.

It also has 24 parallel, Opto-isolated inputs, on high density, removable, terminal block screw connectors.

Outputs
The D-sub GPI Out connector has 24 TTL/CMOS compatible outputs and there are 24 electrically isolated dry relay outputs on high density, removable, terminal block screw connectors.

CMOS GPI outputs can deliver 0 to 5 volts at up to 6 mA and referenced to ground.

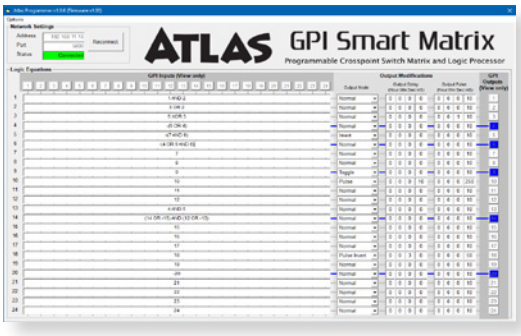
Relay Outputs can handle up to 500 mA @ 200 VDC max.

Opto-isolated inputs and Relay outputs use high quality removable Weidmüller terminal block connectors (pairs).

Modification of output characteristics include inversion, delay (up to 999 minutes with millisecond resolution) and pulse (up to 999 minutes with millisecond resolution).
Program and review all functions using front panel controls and 2 x 40 backlit LCD or via free software application for Mac and Windows.

It's ideal for broadcast television, streaming media networks, broadcast video editing facilities, news production, alert systems, monitor switching or in any audio/video/multimedia studios and more.

Includes internal universal switching power supply with detachable IEC connector and cable.



Atlas Software for Windows
Remotely view, edit, load and save all of Atlas Logic Equations and Output Modifications (including delay and pulse width) for all 24 GPI outputs.



Atlas GPI Smart Matrix Rear Panel

Connections
Interfacing options include CMOS In to CMOS Out, CMOS in to Relay Out, Opto-Isolator In to CMOS Out and Opto-Isolator In to Relay Out functionality.

Logic Processing
Outputs can be programmed to use a boolean expression of input or inputs including functions AND, OR, and XOR, with inversion of inputs and/or outputs.

Atlas GPI Smart Matrix Features

- 24 CMOS GPI Inputs and Outputs
- 24 GPI Opto-Isolated Inputs
- 24 GPI Relay Outputs
- Built In USB and 10/100 Ethernet
- 99 Memory Presets
- Software for Mac and Windows
- 2 x 40 Vacuum Fluorescent Display
- Detachable terminal strip connectors
- Front panel power switch
- Single 19" rack space
- Heavy duty rack enclosure
- Dimensions 19" x 1.75" x 3.87"
- Weight 3.25 lbs