



NiGMa Matrix Controller

The ETL NiGMa Matrix Controller is a stand-alone unit designed to control the range of ETL Enigma switch matrix (router) systems. The controller is connected to one of the (master) matrix CPU's via a RS232 serial or RJ45 ethernet port and. Matrix routing and diagnostics information are available on the Controller's front screen (for CPU 1).



Picture of NiGMa Matrix Controller

Routing can be changed from the Controller and the touchscreen also allows updates of aliases and other admin functions.

Monitoring and control of the matrix is very simple via a VGA touchscreen or HMI similar to that installed in the master module of a NiGMa matrix model. This runs the same firmware with a slightly different configuration.

The front panel has a single USB port for updating the firmware.

ETL Model Number – 21143



RESILIENCE

FLEXIBILITY

RF PERFORMANCE

Technical Specifications



• Key Features

- For operation with all ETL NiGMA matrices
- Quasi redundant interaction with on-board matrix control board
- Retains settings if power/comms with matrix fails
- Dry contact volt free alarm port for PSU failure

• System Control

Remote Control	RS232/485 serial or RJ45 Ethernet to NiGMA matrices
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• Environmental

Operating temperature	0 to 45°C
Location	Indoor use only
Storage Temperature	-20°C to +75°C
Humidity	85% Non-condensing

• Physical

Dimensions	4U high x 350mm deep x 19" wide
Colour	White 00-E-55 Semi-Gloss Front Panel

• Power

AC Power	85-264Vac 50/60Hz
PSU	Dual
PSU Redundancy	Yes

ETL Systems develop, design and manufacture specialist equipment for satellite ground stations. For a fuller description of the ETL product range, please visit our website. This range can be used as the basis to meet your specific demands.

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