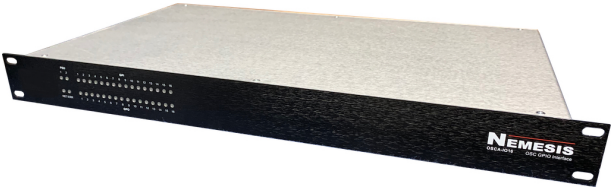
COMPUTING - INTERFACE

NEMESIS OSCA IO16 16 CHANNEL OSC GPI/O



The OSCA-IO16 is a next-generation, multi-destination show control interface featuring OSC network input, with 16 opto-isolated GPI inputs and 16 independent relay GPO outputs—all housed in a rugged 1U rackmount chassis.

Designed for professional applications, the unit offers 16 fully isolated input channels and 16 relay outputs, with 36 front-panel LEDs providing real-time status of GPI, GPO, network activity, and twin redundant AC power supplies.

The OSCA-IO16 can store up to 16 OSC network device destinations, and each input can send up to 4 individual OSC messages to different destinations simultaneously. The opto-isolated inputs accept both dry contact closures and low-voltage logic signals.

The 16 GPO relays can be triggered by OSC commands to perform open, close, or momentary actions, enabling control of a wide range of third-party devices. A dedicated isolated DC/DC converter provides a 1W 5V DC output, allowing connection to GPIO logic-level interfaces and other systems requiring closed-contact switching.

Additional features include configuration backup and restore, ensuring your settings are never lost. Programming is simple: just plug the unit into your laptop, enter its IP address, and configure it via a built-in web interface—no software or internet connection required.

If connected to the internet, the OSCA-IO16 supports remote programming, VPN control, and firmware updates. It is fully compatible with all third-party OSC protocols and the broader Nemesis OSCA range.

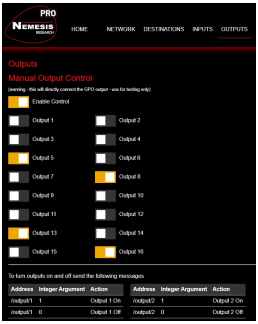
Key features:

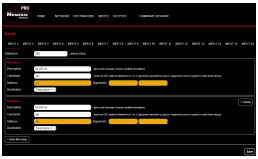
Advanced GPI:
*16 independent opto-isolated inputs for dry contact closure & low volt logic circuits
*Variable “de-bounce” (0 > 2000ms)
*Each OSCA-I016 can hold up to 16 OSC network device destinations in its memory
*Each of the 16 inputs can send a message to 4 separate OSC network device destinations at the same time
*Simple yet powerful programming via embedded user interface (no need for set up programs or internet connection)
*Presets for basic Qlab, CSC and Nemesis OSCA-O4 Relay Box operation
*Advanced mode for free-form complex OSC string commands
*Inputs via 2 standard 9 pin D-Sub connectors

Advanced GPO:
*16 independent volt free GPO relay control outputs
*Latching, momentary or pulse action

*Contacts rated at 0.5 amp 60VDC or 100VAC (max) each
*Separate, independent, full floating, regulated 5vdc reference to ground output
*Relay LED status lights
*Outputs via 4 standard 15 pin D-Sub connectors

General:
*Config download, backup and restore
*Internet enabled for updates and upgrades
*DHCP served or fixed IP address
*Industrial Ethercon network connector
*Twin redundant onboard power supplies
*110vac > 240vac operation
*36 Multicolour LED showing network, GPI, GPO and power status
*Recessed “reset” button
*Fully compatible with all 3rd party OSC commands and Nemesis OSCA range





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