



The Mindshare 40218-IO Auxiliary I/O Unit is used to support remotely controlled relays, and monitor digital inputs across an IP network. Possible applications include switching analog tone lines from one Mindshare Radio Interface card to another, opening doors, turning on landing lights, sensing if doors are open, voter system monitoring and control, and any other remote control and monitoring operation.

The 40218-IO is a rack mountable device and includes rack ears. It can be located anywhere an I/O capability is required in the system. Circuits connected through the relays are isolated from the circuitry of the board supporting Dual Normally Open and Normally Closed connections per channel. Diode Blocked Inputs are referenced to the ground of the board or inputs can be opto-coupled as determined by DIP switch settings.

Control of the relays is done through reliable IP network communication utilizing UDP for speed and simplicity. When a relay is actuated by a console position, notification is sent to all consoles of the change of state of the relay so that all consoles can reflect the state of the device.

Relays can be set to actuate in a Momentary, Latched, and Timed manner. Input changes are simultaneously broadcast to all consoles of state changes.

Each channel has front panel indicators showing the state of each relay as well as the state of the inputs. An RS-232C port on the front of the device provides for basic IP setup and future firmware updates are completed through the network connection. Connections to the relays and inputs of the card are done through the 25 pair connectors which can then be conveniently punched down to an existing jack field.



**SPECIFICATIONS**

<b>Weight</b>	4.4 lbs.
<b>Dimensions</b>	16 $\frac{3}{8}$ " W x 6 $\frac{1}{2}$ " D x 1 $\frac{3}{8}$ " H
<b>Operating Temperature Range</b>	0 to +50 °C
<b>Power Requirements</b>	12 to 48 VDC at 1 A maximum
<b>Network I/O</b>	1 x RJ45 10/100 Mbps Ethernet
<b>Inputs</b>	18 x Diode Block or Opto-coupled (12 VDC, 24 VDC, 48 VDC configurable) 50 VDC Blocking Voltage 35 V RMS Reverse Voltage 0.5 V Minimum Low Voltage
<b>Relay Outputs</b>	18 x DPDT Ag (Au clad) Contact Material 0.3 A at 125 VDC, 1 A at 30 VDC Rated Load 125 VAC Maximum Operating Voltage 1 A Maximum Carrying Current 37.5 VA, 30 W Maximum Switching Capacity 10 uA at 10 mVDC Minimum Permissible Load

Specifications subject to change without notice. Check [css-mindshare.com](http://css-mindshare.com) for downloads/updates.

