

Model 7149 16-Channel RJ45 Cat 6 Compliant A/B Switch with GUI, Simultaneous Channel Control, Cascade Functionality, and Ethernet Remote Port

- **Gang Switch Sixteen Channels to an Alternate Path, Simultaneously!**
- **IP Addressable!**

INTRODUCTION

The PathWay® Model 7149 16-Channel RJ45 Cat6 A/B Simultaneous Channel Control, Cascade Functionality, and Ethernet Remote Port allows the user the capability of sharing a single port RJ45 interface device, connected to the "COMMON" port, among two other devices, connected to the "A" and "B" ports, for each channel. The Model 7149 is enclosed in a 2U, full rack size, all metal black chassis designed to provide EMI/RFI shielding and fit in a standard 19" rack.

The unit can be operated by either the front panel pushbuttons or the 10/100Base-T LAN Ethernet Remote. The unit also supports gang operation, where multiple units can be connected and operated together in a synchronized fashion. The state of the unit can be obtained from the front panel LED's or through the Remote Telnet Commands.

FEATURES:

- Supports (16) channels of A/B switch function
- All 8-pins of the RJ45 interface are switched
- Simultaneous control of all 16-channels
- Switch locally via (1) front panel push button; or remotely via an IP addressable 10/100 Ethernet remote port
- Local switch position control via (1) front panel push button, one button for all (16) channels
- Cascade group operation allows control of switch position and lockout as well as obtaining status of another unit connected to the cascade ports through the remote Graphical User Interface of a single unit
- Front panel LED indicators display switch position and power status
- The unit maintains last set position on power loss and continues to pass data
- Switch powers up in last known position
- Tested for Cat6 compliance
- All port located on the rear panel:
 - (48) Shielded RJ45 female connectors for ports: (16) A, (16) B, and (16) COMMON
 - (1) RJ45 female Ethernet 10/100 REMOTE port
 - (2) RJ45 female GANG ports: (1) OUT and (1) IN
 - (1) Phoenix female port for power
- Rack mount enclosure, 19" Wide x 3.5" (2U) High x 10" Deep
- External 100-240VAC, 50-60Hz power supply included



SPECIFICATIONS:

Size (2U)

- Width: 19" [48.3 cm] (19" full rack size)
- Height: 3.5" [8.9 cm] (2U)
- Depth: 10.3" [26.2 cm]
- Weight: 9.4 lbs [4.3 kg]

Power Requirements

- DC Voltage: 12VDC
- DC Current: 250mA (peak), 130mA (nominal)
- AC Power: 4W (peak), 3W (nominal)

Signal Port Interfaces

- (48) RJ45 Cat6 Signal ports
- (16) Channels of RJ45 A/B/COM ports
- Simultaneous Control

Remote Port Interface

- (1) RJ45 (F) port
- LAN Graphical User Interface operation
- (2) RJ45 (F) Cascade Ports (In, Out) with Custom Pinout
- Synchronous Gang Operation

Front Panel Control and Indicators

- (2) Red LEDs
- (3) Pushbuttons

Power Supply 517277

- Input: 100-240VAC, 50/60Hz, 0.5A
- Output: 12VDC (regulated), 1.5A

WIDE RANGE POWER OPTION INCLUDED:

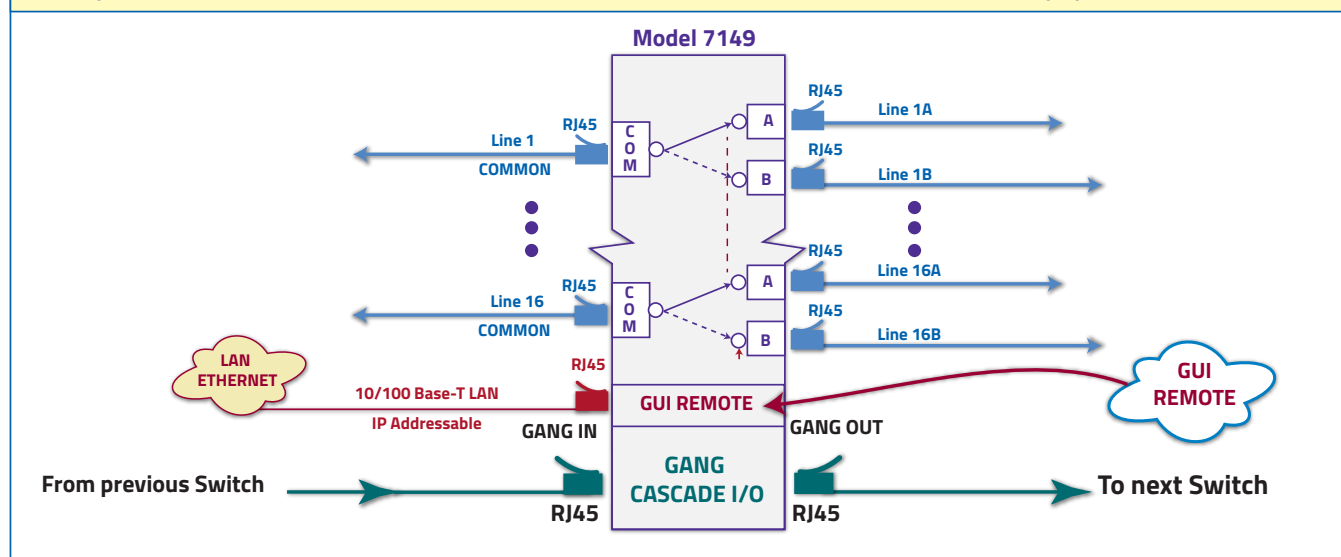
(Cat No 517277) **CE, RoHS, and UL** listed table mount power module, 100VAC/240VAC, 50Hz/60Hz for use with the unit. Has IEC 60320 C14 inlet. **Ideal for international applications.**



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PathWay® Model 7149 16-Channel RJ45 RS232 A/B Switch w/Simultaneous Channel Control, GUI and Cascade Group Operation

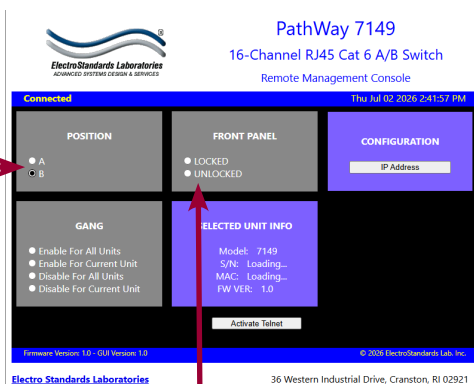


UTILIZING THE USER-FRIENDLY REMOTE GRAPHICAL USER INTERFACE SOFTWARE

To connect to the switch from a workstation or computer having access to the LAN that the Model 7149 LAN port is connected to, simply launch a standard web browser and type in the appropriate IP address.

CHANGING POSITION AND LOCK STATUS

To change the switch position of a channel, click on the radio button "A" or "B" as desired for all channels via gang controls. Locking and unlocking the front panel pushbuttons can be done by clicking on the "Locked" or "Unlocked" radio buttons for all channels. Gang Controls can be used to change the position or state of all channels simultaneously. When all channels are in the same position or state, that position or state will be selected by the Gang Controls. See Figure 2



Switch position by selecting "A" or "B" for all channels simultaneously.

Lock and unlock the front panel operation for each channel.

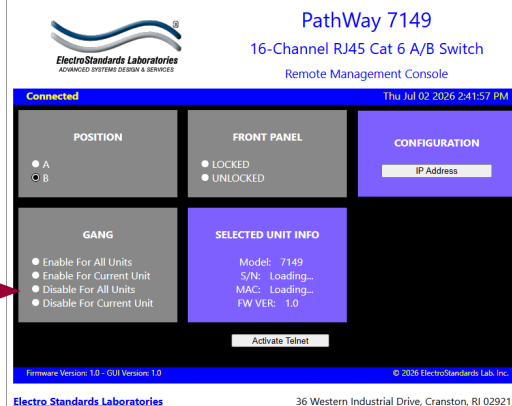
Figure 2: Change the position and lockout from the GUI



Figure 1: GUI in a Standard Web Browser

USING GANG CONTROLS

Gang Controls can be enabled or disabled for both the current unit, and well as any connected units via the GUI Interface. If enabled for all units, the user will be able to simultaneously control the switch position and lock state for every connected unit simultaneously. See Figure 3.



Enable/Disable Gang control for any connected units.

Figure 3: Enabling/Disabling Gang Controls in the GUI.