

Model 7150 16-Channel RJ45 RS232 A/B Switch, with Automatic Fallback, GUI, and Cascade Group Operation

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

INTRODUCTION

The PathWay® Model 7150 16-Channel RJ45 RS232 A/B Switch with Automatic Fallback, GUI and Cascade Group Operation 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 7150 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 cascade operation, where other supported units can be connected and operated through a single remote port interface. The state of the unit can be obtained from the front panel LED's or through the Remote Graphical User Interface.

FEATURES:

- The switch ports are transparent to all data.
- All (8) pins of the RJ45 interface are switched via break-before-make electromechanical relays.
- Switch maintains last set position on power loss and continues to pass data.
- Individual control of all (16) channels.
- Front panel pushbutton control.
- Remote Control of the switch from a 10/100-Base-T LAN Ethernet environment.
- Remote Control Graphical User Interface that allows the user to control switch position, lockout front panel operations, control Cascaded Units, as well as, obtain switch status and receive Cascade Unit status updates.
- Cascade Group operation allows control of switch position and lockout of individual channels as well as obtaining status of other units connected to the Cascade Ports through the Remote Graphical User Interface of a single unit.
- Front panel LED's display present position, lockout, fallback mode, and power status.
- EIA/TIA-561 RS-232 compliance.
- In Automatic Fallback Mode, the front panel AUTO LED of a channel is illuminated. In this mode, the unit operates automatically by the signal presence of the TD pin of port A. The TD pin (RJ45 pin 6) is monitored for serial data activity with respect to the signal ground pin (RJ45 pin 4).
- If the channel is in position A, the signal will be monitored for a loss in signal for a selectable period. The selectable timeout period for each individual channel are as follows: 30 (factory default), 60, 90, and 300 seconds.



SPECIFICATIONS:

Size

- Width: 19" [48.3 cm] (19" full rack size)
- Height: 3.5" [8.9 cm] (2U)
- Depth: 10.11" [25.4 cm]
- Weight: 8.27 lbs [3.75 kg]

Power Requirements

- DC Voltage: 12VDC
- DC Current: 480mA (peak), 240mA (nominal)
- AC Power: 6W (peak), 3W (nominal)

Signal Port Interfaces

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

Remote Port Interface

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

Front Panel Control and Indicators

- (32) Red LED's
- (32) Green LED
- (16) Pushbuttons

Power Supply 517277

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

WIDE RANGE POWER OPTION AVAILABLE:

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



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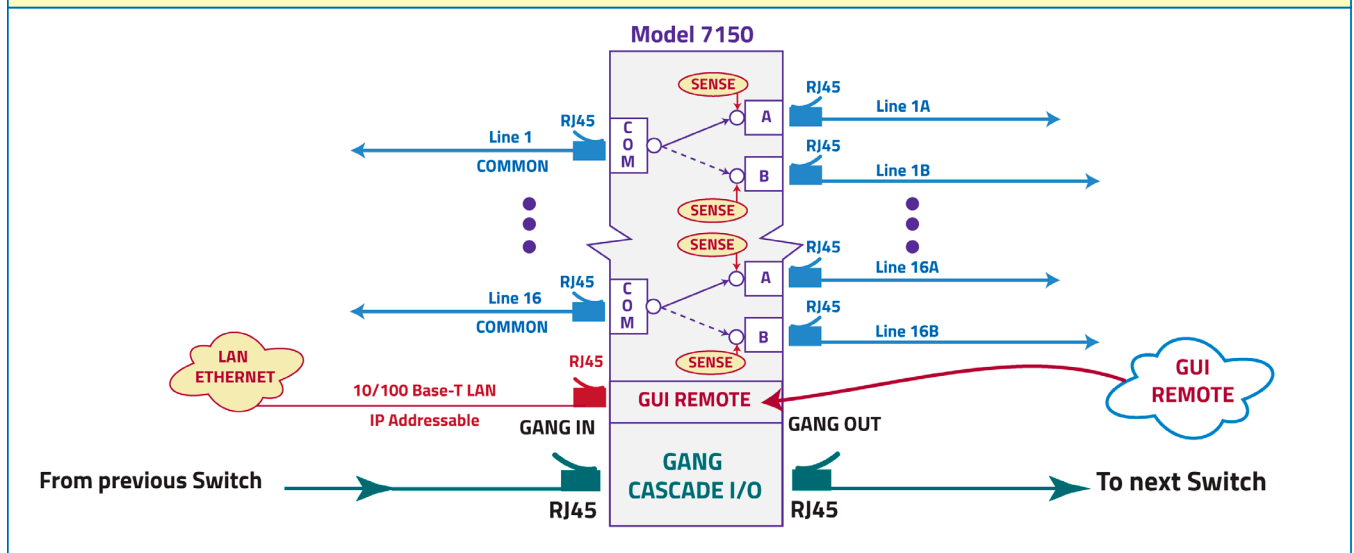
SPECIFICATIONS
MODEL 7150
Cat. No. 307150



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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 7150 LAN port is connected to, simply launch a standard web browser and type in the appropriate IP address. The Java Applet will be automatically uploaded from the switch upon connection. The environment requirement for the GUI is Java 1.7 and above.

CHANGING POSITION AND LOCK STATUS

To change the switch position of a channel, click on the radio button "A" or "B" as desired for each channel. Locking and unlocking the front panel pushbuttons can be done by clicking on the "Locked" or "Unlocked" radio buttons for each channel. See Figure 2



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 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. If one of the channels is in a different position or state, that respective Gang Control will not have either option selected. See Figure 3.



Figure 3: Using the Gang Controls in the GUI.