7-Port Ethernet Switch

The PRG 7-Port Ethernet Switch provides a powerful and convenient interface between Virtuoso® or DMX512 control consoles, and their associated control equipment using 10Base-T or 100Base-TX copper connection.

MAKING THE SWITCH

While a basic Ethernet hub is limited to broadcasting information one direction to all devices at once - making it susceptible to "collisions" - an Ethernet switch divides the network into multiple segments, acts as a high-speed selective bridge between the segments, and supports multiple connections with transmission and reception occurring simultaneously. The PRG Ethernet Switch not only exceeds the limitations of traditional Ethernet hubs, it also offers superior switch technology by virtue of its simple, easy-to-use operation. Unlike most commercial Ethernet switches, the PRG Ethernet Switch does not use complex configuration software, which can often misinterpret data signals as 'network attacks,' therefore shutting down your system at a critical instance.

EXCEPTIONAL ETHERNET

The PRG 7-Port Ethernet Switch provides seven Ethernet ports for interface with the current copper-based infrastructure of lighting industry equipment. Each port is individually isolated and can accept Ethernet signals using either 10Base-T or 100Base-TX standards. With this flexibility, the PRG Ethernet Switch is not only a perfect compliment to the Virtuoso® family of consoles, but a major benefactor to other DMX512 consoles and a wide variety of system devices.

NOTE: For additional Fiber Optic interface options, consider the PRG 10-Port Ethernet Switch. (See separate specification sheet.)

Features

- (7) ISOLATED COPPER ETHERNET PORTS FOR INPUT OF 10BASE-T OR 100BASE-TX STANDARD SIGNALS
- AUTOMATIC DETECTION AND CONFIGURATION OF INPUT SIGNAL SPEED
- IMPERCEPTIBLE OPERATION WITHIN THE CONTROL SYSTEM
- LINK, TX DATA, AND RX DATA STATUS LEDS FOR ALL PORTS
- FRONT PANEL DC POWER STATUS LED
- RUGGEDIZED, LATCHED NEUTRIK® ETHERCON® CONNECTORS FOR SUPERIOR DURABILITY AND RELIABILITY OVER TRADITIONAL PLASTIC RJ-45 CONNECTORS
- NEUTRIK® POWERCON® CONNECTOR FOR AC INPUT
- STANDARD 1U 19" RACK MOUNT CHASSIS
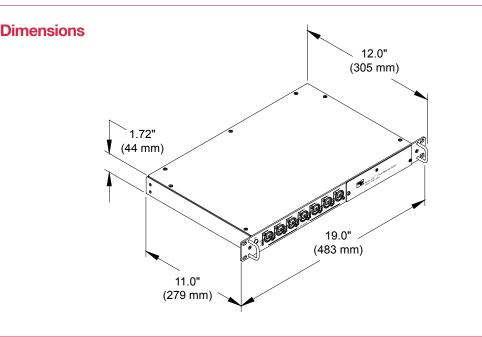- 90 TO 264 VAC, 47 TO 63 HZ OPERATION

7-Port Ethernet Switch Specifications

The unit shall be a PRG 7-Port Ethernet Switch designed to provide interface between a Virtuoso® console, or other model lighting console, and subsequent lighting control equipment.   It shall operate automatically and invisibly within the control system.
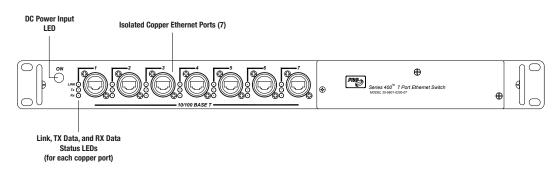
The unit shall operate on 90 to 264 VAC, 47 to 63 Hz, and draw less than 60 watts continuously. There shall be one power input connector for inputting AC power to the unit. The unit shall have one green LED power indicator to show that DC power has been applied. There shall be no power switch, circuit breaker, or fuse accessible outside the unit.

The unit shall accept network connections to its ports and route messages between ports in an efficient manner. The unit shall connect ports of different speeds and media types and shall also extend the network beyond the limits of a single collision domain. Each port on the unit shall have status LEDs indicating Link, TX Data, and RX Data.

The unit shall include seven isolated copper ports that can accept Ethernet signals using either 10Base-T or 100Base-TX standards. The unit shall automatically detect and set the speed of each port and shall crossover pairs and change the polarity of ports as necessary.

The unit shall be housed in a standard 1U 19" rack mount chassis with an approximate depth of 11" behind the panel. The unit shall sealed and convection cooled with an operating temperature of –20°C to 50°C (-4°F to 122°F). The unit shall weigh 4.5 lbs (2.04 kg). The unit shall be certified to ANSI/UL 60950-1-UL Standard for Safety for Information Technology Equipment Safety (U.S.), CAN/CSA C22.2 No. 60950-1 Information Technology Equipment Safety (Canada), and carry the CE Mark (Europe).

Dimensions

12.0" (305 mm)

1.72" (44 mm)

19.0" (483 mm)

11.0" (279 mm)

Side View

DC Power Input LED

Isolated Copper Ethernet Ports (7)

Link, TX Data, and RX Data Status LEDs (for each copper port)

10/100 BASE T

Series 400™ 7 Port Ethernet Switch
MODEL 20-9801-0200-07

Ordering Information

20.9801.0202.07   7-Port Ethernet Switch

For additional Fiber Optic interface options, consider the Series 400™ 10-Port Ethernet Switch. (See separate specification sheet.)