

5910

Ethernet switch

- 5-port, 10/100BaseT Ethernet switch.
- Auto MDI/MDI-X crossover operation
- Powered by SCADAPack 5V source.
- cCSAus and cULus Class I, Division 2 Hazardous Area Rating
- UL508 listed
- 3 year warranty on parts and labor



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The 5910 Ethernet Switch mounts on a DIN rail and can be powered from the internal 5V power supply in all SCADAPack controllers and other 5000 series devices. Alternately the 5910 can be powered from 11- 30Vdc sources such as 12Vdc batteries, 24Vdc power supplies or AC adapters. Shielded RJ-45 connectors are used on all 5 ports.

Unlike an Ethernet hub that broadcasts all messages to all ports, the 5910 Ethernet Switch detects the MAC addresses of all connected devices and then routes messages between the appropriate ports. Both 10BaseT and 100BaseT can be used on any of the five ports. All ports provide real time 10/100BaseT auto detection allowing the switch to autodetect the data rates required through each port. The unit also offers automatic MDI/MDI-X operation, thus accommodating the use of either a straight connection using standard CAT-5 cable or crossover CAT-5 cable.

Whether the 5910 Ethernet Switch is integrated with a SCADAPack controller or used as a in-plant stand alone device this product is a natural choice for applications that require Ethernet communications in an industrial environment. By replacing Ethernet hubs in existing networks this unit reduces the amount of wiring by concentrating Ethernet lines, and provides increased bandwidth performance by eliminating message collisions.

Product Data Sheet 5910

Specifications

> 5910 Ethernet Switch

General

Ethernet Switch Type	5 ports, unmanaged, store & forward, 10/100BaseT
Ethernet Terminations	RJ45 ports (shielded)
Protocols	IEEE 802.3, IEEE 802.3u (TBC), IEEE802.3x
Speed and Connection	<ul style="list-style-type: none"> Auto-detecting 10/100 Mbps operation, Auto MDI/MDI-X operation (no need for cross-wired cables)
Memory Bandwidth	1.4 Gbps
Duplex Operation	Full duplex IEEE802.3x and half duplex back pressure flow control
MAC Addressing	Dedicated lookup engine with 1K MAC addresses. Learning, aging and migration
Ethernet Isolation	1500 Vrms
Visual Indicators	Each port has - ACT/LINK and 10/100 (Speed) indicators
Input Power	<ul style="list-style-type: none"> External Power: 11-30Vdc 1.8W at 12Vdc 2.2W at 30Vdc Bus Power: 5V at 375mA
Input Power Terminations	<ul style="list-style-type: none"> 4 pole terminal strip and removable terminal block. 12 to 22 AWG
Dimensions	.25 inch (144 mm) wide, 4.625 inch (118 mm) high, 2.00 inch (51 mm) deep
Mounting	Desktop, rubber feet or 7.5 x 35 DIN rail
Packaging	Corrosion resistant zinc plated steel with black enamel paint
Environment	5% RH to 95% RH, non-condensing -40oC to 70oC -40oF to 158oF
Model	Part Number Description
5910	TBUX297288 Ethernet Switch, 5 port, 10/100Mb autodetect, 12-24 Vdc power
5910SA	TBUX297289 Same as 5910, with the addition of a 115 Vac adapter

Disclaimer: Schneider Electric reserves the right to change product specifications. For more information visit www.schneider-electric.com.