Overview

Siselectron SNM2410, the revolutionary DIN Rail type Industrial Gigabit managed Power over Ethernet Switch is designed with 8 10/100TX PoE injector ports and 2 Gigabit RJ-45 / SFP combo ports for highly critical PoE applications such as real time IP video surveillance, WiMAX systems and Wireles Aps. All of the 8 ports of the switch are compliant with both IEEE 802.3af PoE and IEEE 802.3at high power standards and can deliver up to 15.4W and 30W power per port to enable the high-power requiring devices, such as Wireless Aps, PTZ and dome network cameras, etc.

Packing List Checking

- Siselectron SNM2410
- DIN Rail installation clip (tightened on the rear panel)
- DB-9 to RJ-45 console cable

Hardware Installation

1. Powering of the system

The Power input port is located at the bottom side and provides 2 power input ports. The power input port supports polarity reverse protection; the Switch won't start if the wrong polarity is applied. For the wiring architecture, please refer to the below figure.

Wiring the Power inputs & Earth Grounding

1.1 Insert the positive and negative wires into the V+ and V- contact on the terminal block connector.

1.2 Connect the Chassis Grounding to Earth Ground system to obtain electromagnetic immunity to resist lighting, electro static discharge and electric fast transient.

1.3 Tighten the wire-clamp screws to prevent the power wires from being loosened.

Note: User the UL Listed LPS Power supply with output rating 46-57 VDC, minimum 3.5A currents.

We recommend sing DC 48V as the operating voltage.

2. Wiring the Relay Output (DO)

The Relay Output (DO) contacts are in the bottom side as shown in the figure on the right. The relay output (DO) is controlled by the pre-defined operating rules.

Note: The relay contact only supports 0.5A current, DC 24V. it is not recommended to apply voltage and current higher than the specifications.

3. Wiring the Digital Input (DI)

The Digital Input (DI) accepts one external DC type signal input and can be configured to send alert message through Ethernet when the signal is changed. The signal may trigger, generated by external power switch, like as the door open trigger switch for control cabinet.

Note: the DI accepts DC type signal and supports isolated input circuit with Digital High Level input DC 11V~30V and Digital Low Level input DC 0V~10V.

4. Connecting the Surge/ Lighting protection

There is one screw fixed on the rear side for lighting/ surge protection; tighten and wire to chassis grounding to obtain better surge/ lighting immunity. However, do remember to remove the surge grounding screw before the insulation/Hi-pot testing. In case you do not, the protectors may get damaged during the testing.

Note:

1. Ensure the Surge/Lighting is well connected with Chassis Grounding.
2. Remove the Surge/Lighting Screw, before performing Insulation/Hi-pot Testing.

5. Mounting the Switch onto the DIN Rail

The DIN Rail clip is already tightened on the rear side panel and supports EN50022 Std. DIN Rail.

Device Management

Siselectron SNM2410 Industrial Managed PoE Switch provides both in-band and out-band configuration methods. You can configure the switch via the RS-232 console with the attached console cable.

1. Preparation for console management: Attach the RS-232 DB9 connector to your PC's COM port. Connect the RJ-45 connector to the console port of the Siselectron Switch.

   Go to Start => Program => Accessories => Communication => Hyper Terminal

   Give a name to the new console connection.

   Choose the COM name and select the correct serial settings. The serial port settings of Siselectron Switch are as below: 9600bps, No parity check, 8 Data bits, 1 stop bit

   After connected, you will see the Switch login request. Type the username and password and then you can login. The default username is "admin", password is "admin". Follow the manual to configure the software features.

2. Preparation for Web management: Before you attempt to use the embedded web interface to manage switch operation, verify that Siseelectron Switch is properly installed on your network and that every PC on this network can access the switch via the web browser.
   Launch the web browser (Internet Explorer or Mozilla Firefox) on the PC.
   Type http://Siselectron Managed Switch_IP_Address (The default IP address is 192.168.10.1), then press Enter. The login screen will appear next.
   Type in the user name and password and click “OK” button. The welcome page of the Web-Based management interface will appear then. The default user name and password is admin/admin.
   At the left column of the web management interface are the software features, where ring column will list the available settings.
   For more operating instructions, please refer to the user’s manual of Siselectron Switch included in the packing or download it from the Siselectron Website – www.siselectron.com.tw