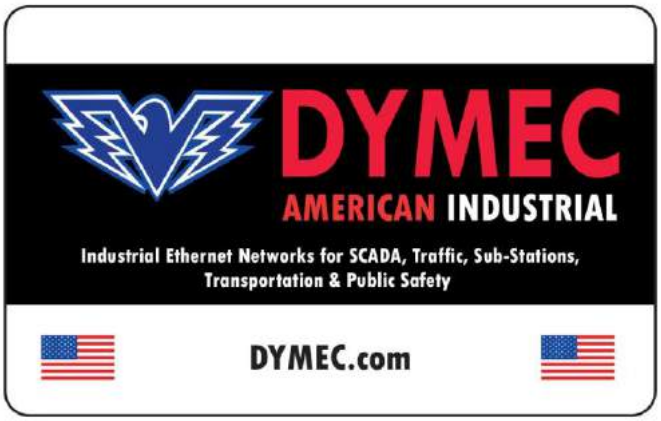


KY-3210DM
Industrial Ethernet Switch

DYMEC Installation Guide

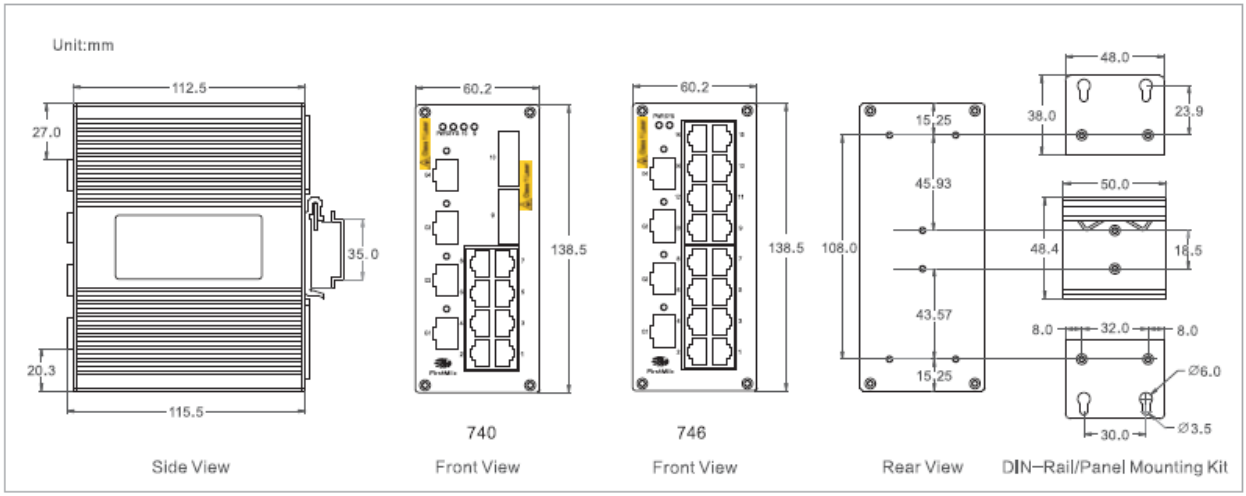
Oct 30, 2013

Version: 1.0

1 · Product Photo and Dimensions

Ground screw

6-pin terminal block



2 · Fitting the switch on the DIN rail, grounding

▼You mount the switch on a 35 mm hat rail according to DIN EN 60175.Attach the upper snap-in guide of the switch into the hat rail and press it down against the hat rail until it snaps into place.

▼You ground the switch via a separate ground screw on the top panel of the switch.

Ground screw

3 · Connecting the supply voltage at the terminal block, startup procedure

▼The supply voltage is connected via a 6-pin terminal block with snap locking.

●Input Voltage: 24VDC (12 ~ 36VDC), with redundant dual inputs

●Input current: < 0.55A@24VDC

▼By connecting the supply voltage at the terminal block, you start the operation of the switch.

▼When the PWR (Power) and SYS (System) indictor lights on the front panel of the switch lit yellow and green respectively, it means that the switch has completed startup.

4 · Configuring IP

▼The default static IP Configuration:

IP Address: 192.168.0.253
IP Sub Network: 255.255.255.0
IP Gateway: 192.168.0.201

▼Configure the IP of your PC, make sure your PC and the switch in the same network segment.

▼Link your PC and the switch, open the web browser on your PC and enter the IP address 192.168.0.253 in the browser address bar.

▼A login window will appear, use the following credentials:

Username: superuser

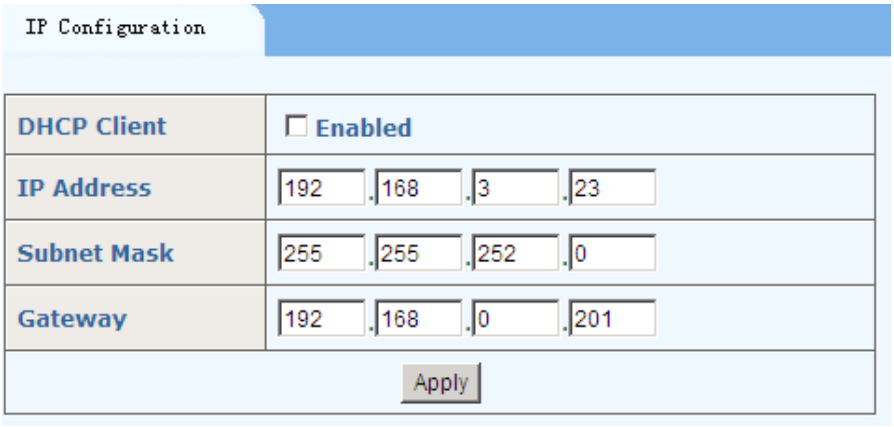
Password: 123

▼Click “Administration and IP Configuration” in the left menu.

▼The switch supports DHCP and Static IP.

●DHCP: Enable the DHCP Client by checking the Enabled checkbox. Of course, the switch must link a DHCP server at the same time. Click “Apply”.

●Static IP: Specify the IP Address, Subnet Mask, and Gateway. Click “Apply”.

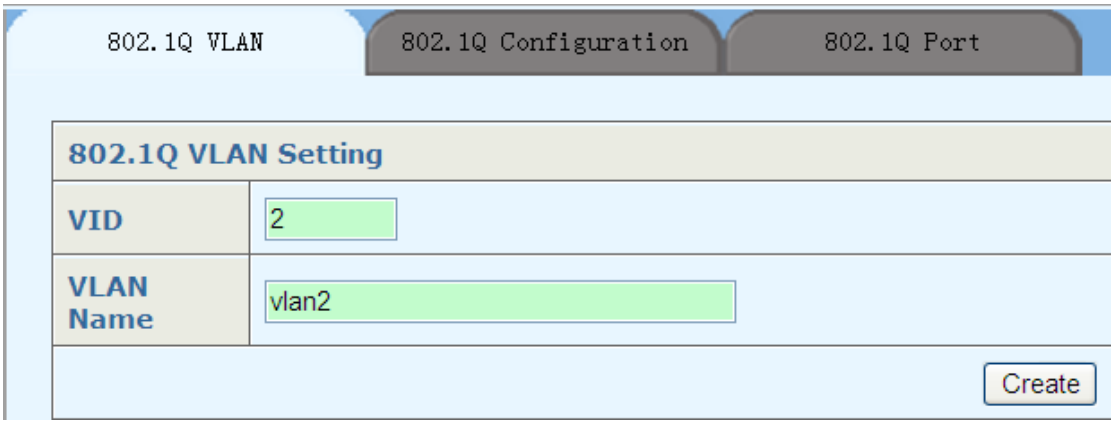


▼Save configuration: Click “Save Configuration” in the left menu.

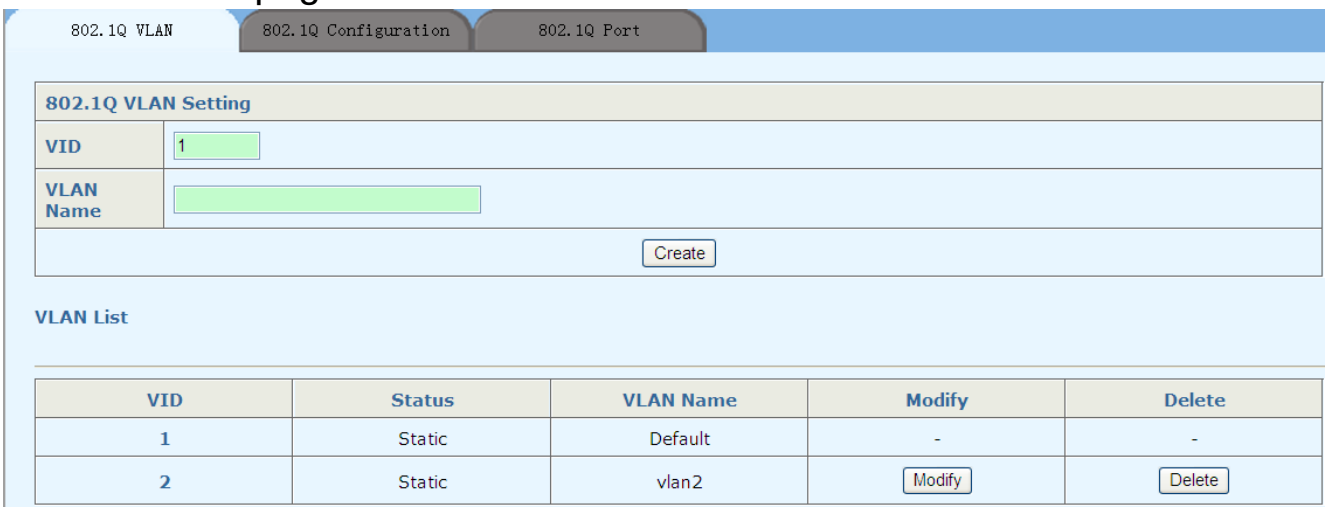
5 · Configuring 802.1 Q VLAN

There is a default VLAN group with VID of 1, each port is a untagged member of this group.

▼Creating a new VLAN group: Enter the page of 802.1Q VLAN, specify a VID and a VLAN Name. Up to 256 VLAN groups can be created, and each VLAN group can have an ID number from 1 to 4094.



Then the new VLAN group will be listed in the VLAN List of the bottom of this page.



You can also modify or delete the VLAN group.

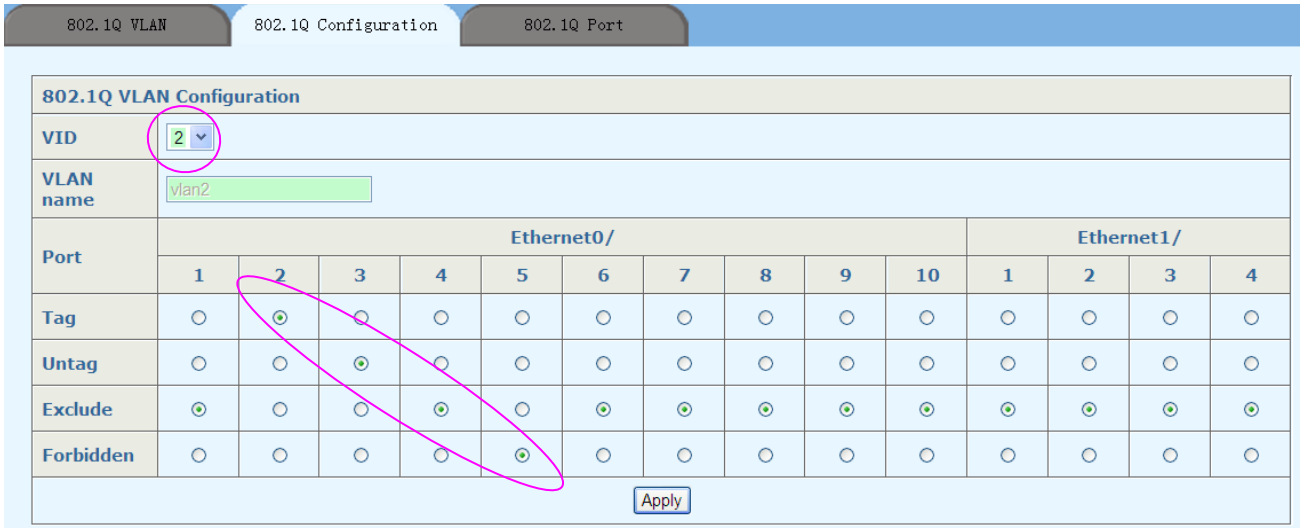
▼Adding VLAN group member ports: Enter the page of 802.1Q Configuration, select a created VLAN group (VID), add member ports. There are four types of port:

●Tag: The port is a tagged VLAN member of the VLAN group. Packets forwarded by the port are tagged.

●Untag: The port is an untagged VLAN member of the VLAN group. Packets forwarded by the port are untagged.

●Exclude: The port is excluded from the VLAN group. However, the port can be added to the VLAN group by GARP.

●Forbidden: The port is not allowed to be added to the VLAN group, neither GARP.



▼Configuring VLAN group member ports: Enter the page of 802.1Q Port. There are three parameters for you to configure each port.

●PVID: Each port can have only one Port VLAN ID (PVID). The untagged packets will be tagged a VID of PVID when arriving at the port. The default PVID is 1 for each port.

●Link Type: The drop-down list contains Access, Trunk and Hybrid.

■Access port: An Access port must be an untagged port, and it has only one VLAN group, Its VID is PVID not be modified.

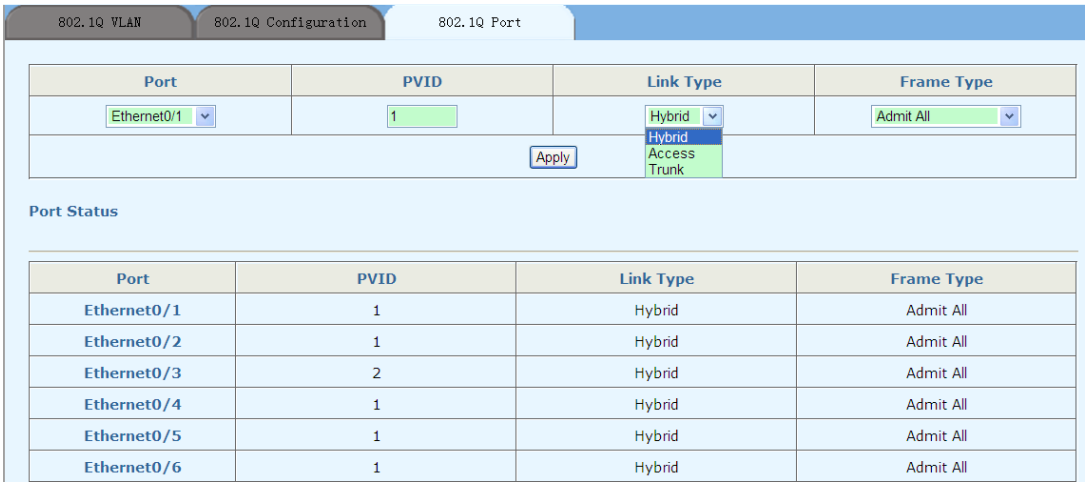
■Trunk port: An untagged trunk port has only one VLAN group, but a tagged trunk port can have multiple VLANs.

■Hybrid port: An untagged or tagged Hybrid port has multiple VLANs.

●Frame Type: Specifies how the port accepts packet.

■Admit All: The port accepts tagged and untagged packets.

■Admit Only Tagged: The port accepts only tagged packets.



▼save configuration: Click “Save Configuration” in the left menu.

6· **Connecting the data lines**

You can connect terminal switches and other segments at the ports of the switch via twisted pair cables and fibers. There are two types of interfaces.

▼Fiber Ports: 1000Base-X (SFP slots), 100Base-FX.

▼RJ45 Ports: 10/100Base-TX auto negotiation.

Connect the data lines according to your requirements.