1. NAME, ARTICLE NUMBER AND E-NUMBER

Name, article number and email number

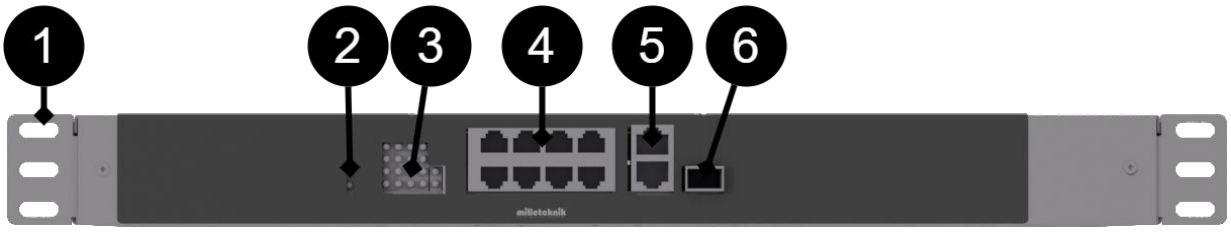
Name	Item number	E-number (sv)
PoE switch 8p managed 1HE	1U02PM002408OP01	51 731 52

2. AREA OF USE

PoE switch 8p managed 1HE provides full control over power supply (via PoE ports) and data transmission to up to eight devices, with a power of 30.8 W per port. Easily mounted in a 19” rack, it also has two LAN ports for extra connections. The built-in management features provide seamless monitoring and configuration via computer

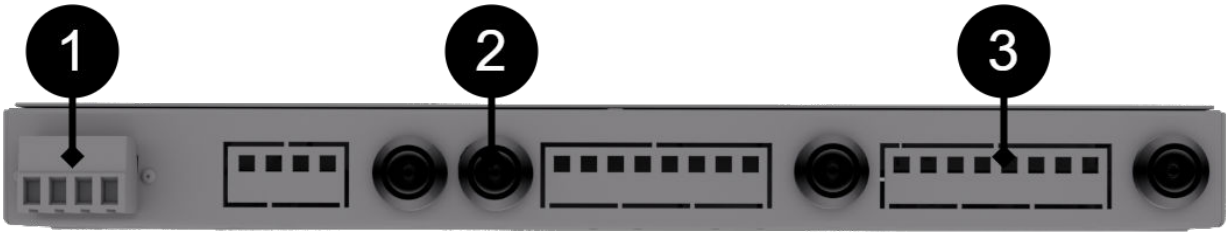
3. COMPONENT OVERVIEWS

3.1. Component overview



Component Overview PoE Switch 8p managed 1HE

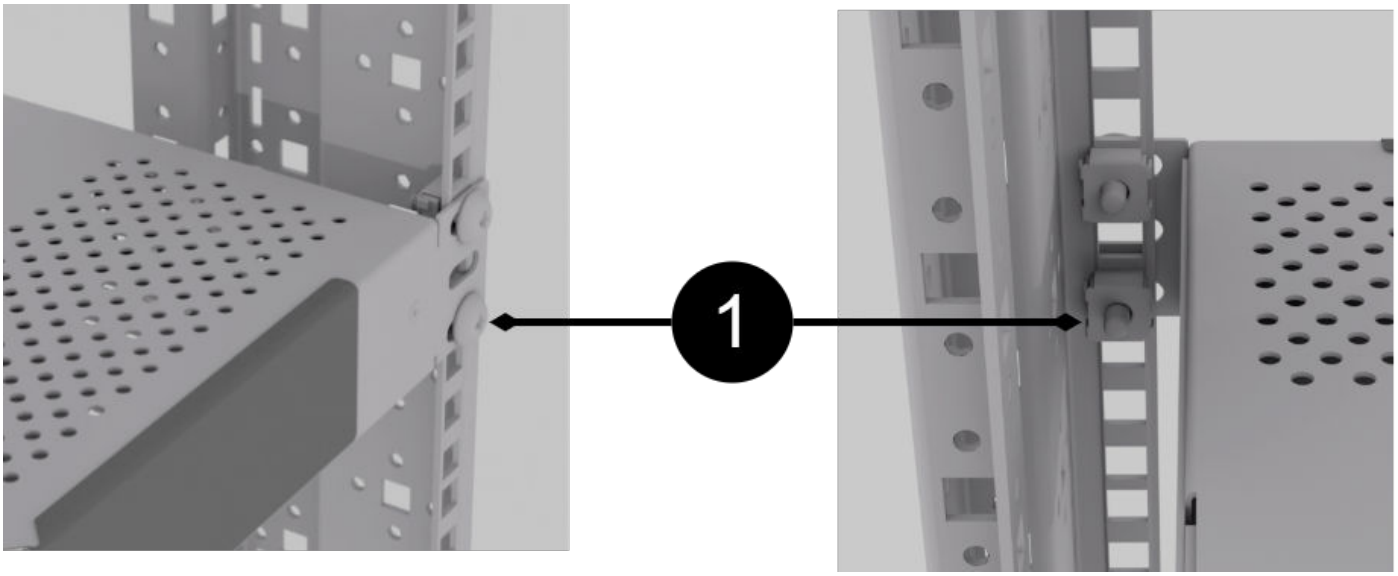
No	Explanation
1	Bracket for 19" rack.
2	Indication lights up yellow when the card is energized.
3	Indication, yellow LED lights up when external PoE is plugged in. This is only an indication that the port is connected and not the status of the connected device. Glows green when transferring data
4	8 pcs. RJ-45 powered ports for connecting PoE devices.
5	2 pcs. RJ-45 ports for data, not PoE, (not powered).
6	SFP-port.



Component overview, back

No .	Explanation	Comment
1	Connection of battery cables	24V.
2	Load output 2	The fuse on the front is the one closest to the display.
3	Load output 1	Fuse on the front is the one closest to the corner.

4. MOUNTING IN 19" RACK



The unit is a height unit (44 mm) high, and should be mounted in 19" racks with two screws on each side (1).

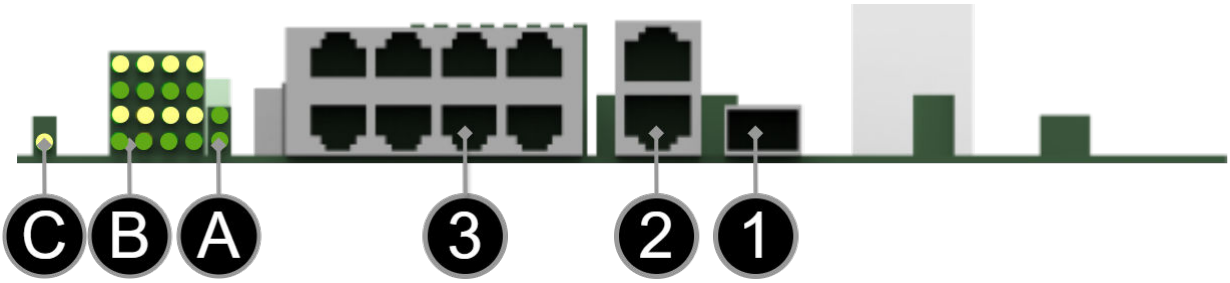
Screw and nut for 19" rack not included.

CAUTION
Leave at least 100 mm above and below for best ventilation.

5. PLUG INTO THIS ORDER

- Plugging in load.
- Plug in power supply, 24V .

5.1. Short description for PoE switch 4p



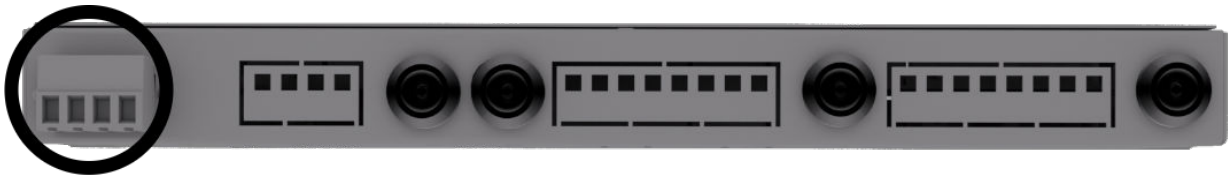
[sv] Notera att bilden kan vara vänd

Short description

No./Letter	Explanation
1	SFP-port.
2	2 pcs. RJ-45 ports for data, not PoE, (not powered).

No./Letter	Explanation
3	8 pcs. RJ-45 powered ports for connecting PoE devices.
A	Indication, green LED lights up when external PoE is connected. This is only an indication that the port is connected and not the status of the connected device. Illuminates yellow during data transfer.
B	Indication, yellow LED lights up when PoE device is plugged in. This is only an indication that the port is connected and not the status of the connected device. Lights up green when data is being transferred.
C	Lights up green when the card has voltage.

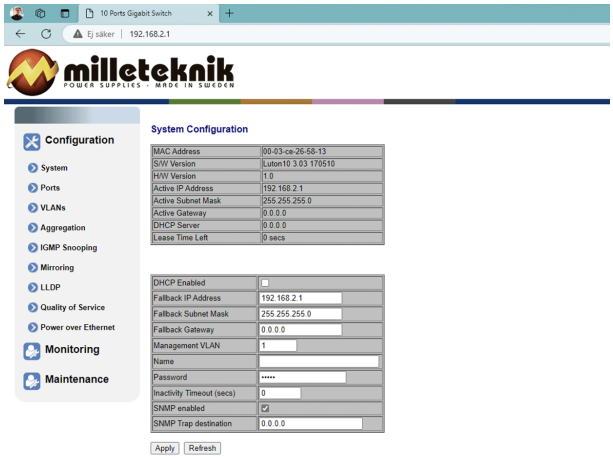
5.2. Plug-in - power supply



Switching on 24V takes place on the back, via the jackable terminal.

6. HOW THE POE SWITCH SOFTWARE IS ACCESSED

6.1. How the software is accessed in the PoE Switch



This section shows how to log in to the switch's configuration web page.

To configure the software in the switch, the correct IP address needs to be set on the computer.

Access to the switch's software is through a browser, (such as: Chrome, Edge, Firefox, etc.).

Follow the steps to access the switch's settings.

NOTE
The settings shown are settings for PC, (Windows 7 - Windows 11). Windows and names may vary between different versions of Windows. Unfortunately, we cannot provide support for settings of your computer.

NOTE

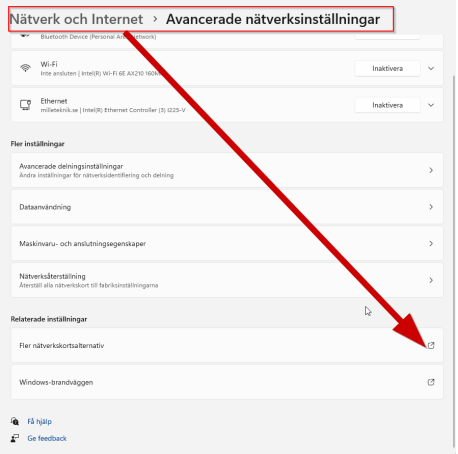
IP address of the switch (factory setting): **192.168.2.1**

Password (factory setting): **admin**

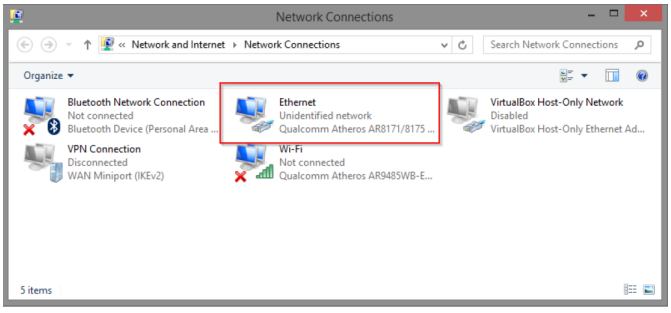
NOTICE

The address of the PoE switch is: **192.168.2.1** and username and password are: **admin/admin** The IP address in the switch is static (fixed) and therefore the computer's IP address and subnet mask must be static.

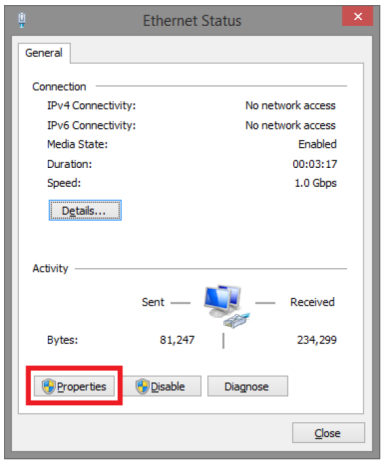
1. Open settings and go to **Network and Internet** -> **Advanced network settings**. Open **more network card options**.



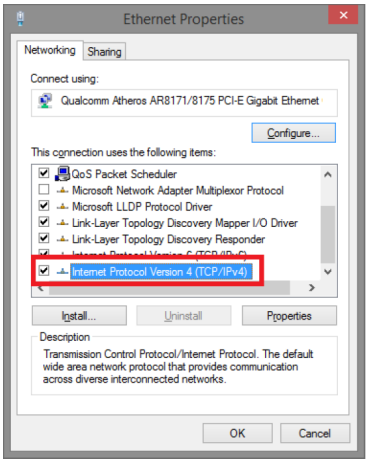
2. A Network Connections window will appear showing all available network connections on the computer. Double-click the network connection you use to connect to the switch.



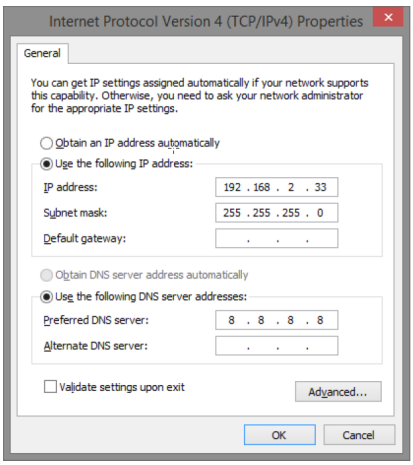
3. Ethernet status window appears. Click the button **Characteristics** as shown in the figure below.



4. Double-click: Internet Protocol Version 4 (TCP / IPv4).



5. Set the computer's IP address and subnet mask as shown in the figure below. By default, the product's **IP address be 192.168.2.1.** You can set any IP address as long as it is not the same as your switch's IP address and is in the same network segment as your switch's IP address. Press on **OK** to apply the TCP/IPv4 settings you just made. Now you can connect to your switch using a web browser (Chrome, Edge or Firefox).



6. Connect an RJ-45 cable and connect to the PoE switch.

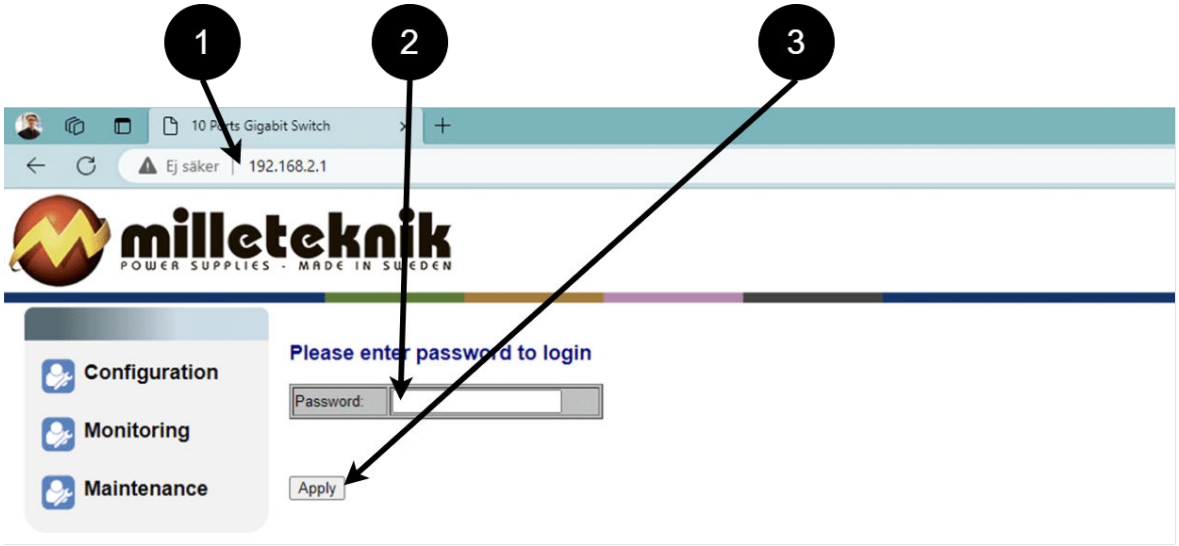
6.2. Log in to the PoE switch

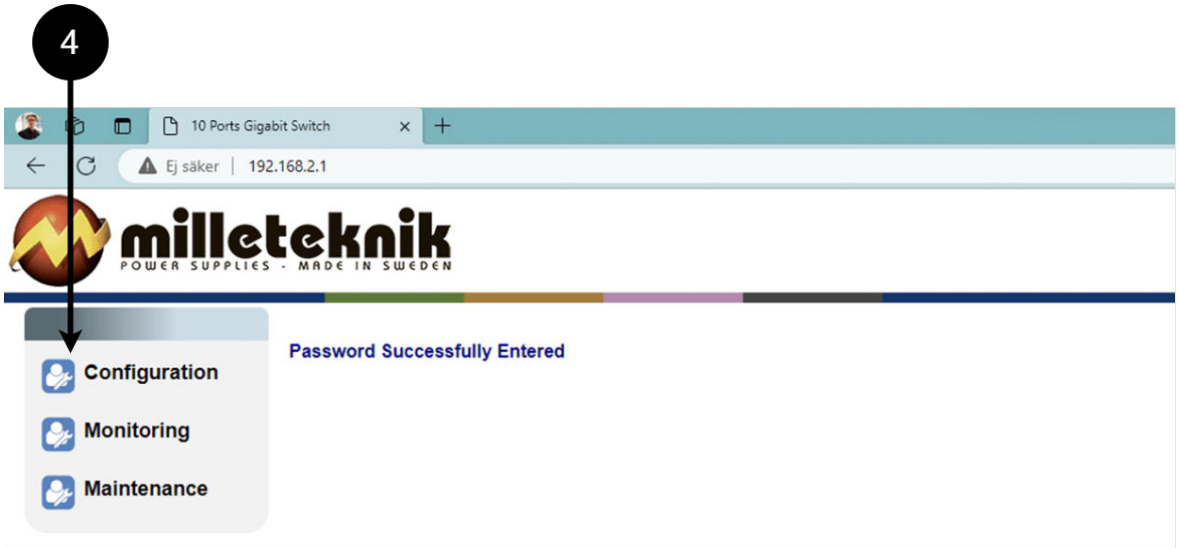
NOTE
IP address of the switch (factory setting): **192.168.2.1**

Password (factory setting): **admin**

NOTE
If you get a warning that the page is not secure/the connection is not private, click "advanced" and then "continue".

1. Start the browser on your computer.
2. Login to PoE switch.



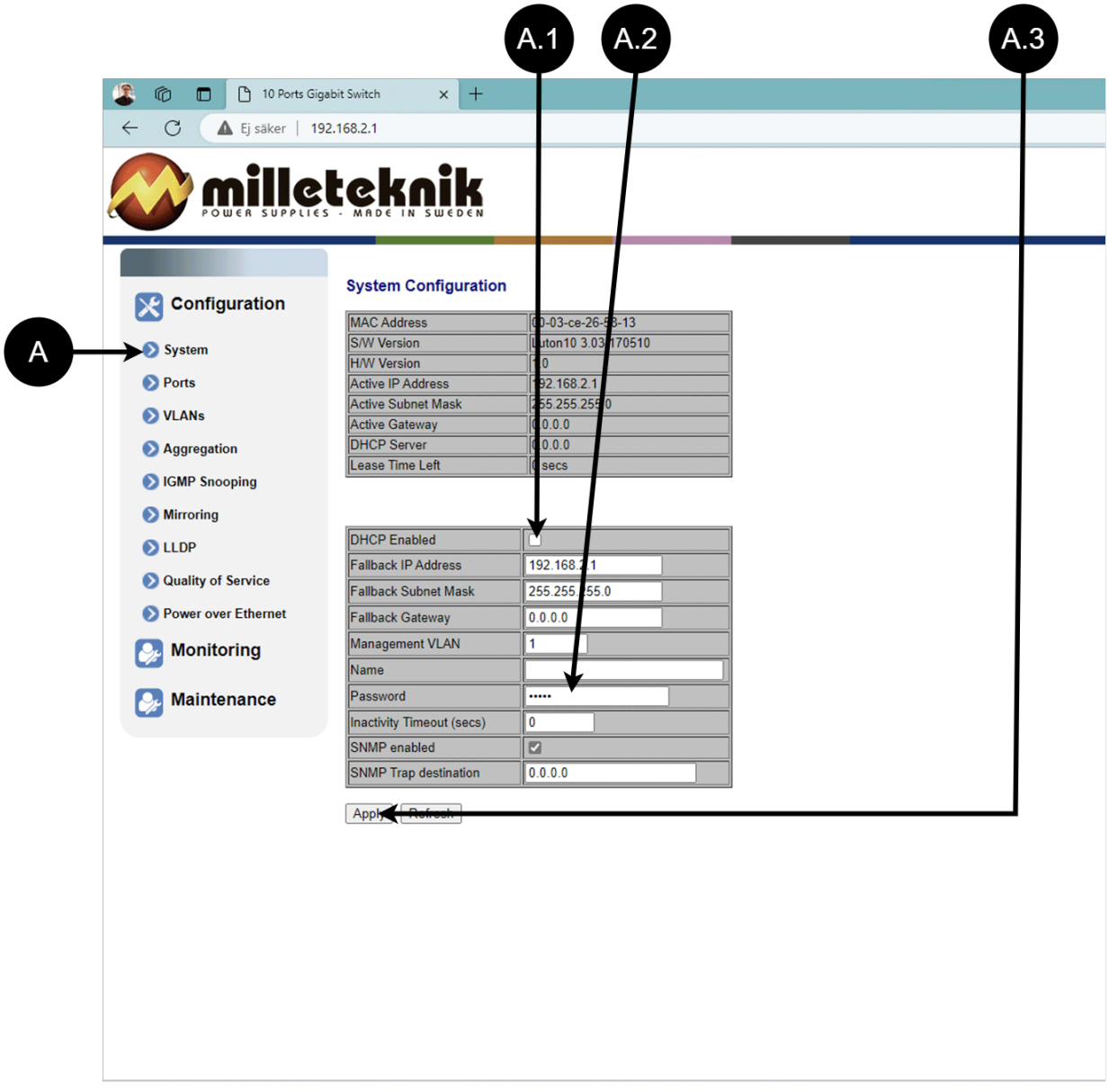


Log in to the switch.

Number	Explanation
1	IP address of the PoE switch: 192.168.2.1
2	Password: admin
3	Apply = Ok
4	Menu in the PoE switch

6.3. Configuration

6.3.1. SYSTEM, CONFIGURATION



System, configuration.

Letter, number	Explanation
A	PoE switch system configuration page
A.1	Tick here if you are going to use DHCP, see warning below.
A.2	Changes the factory default password, (admin).
A.3	If you have made any changes, you need to click "Apply" to save the changes.

WARNING

The settings on this page normally do not need to be changed. Only change the settings if you absolutely know what you are doing.

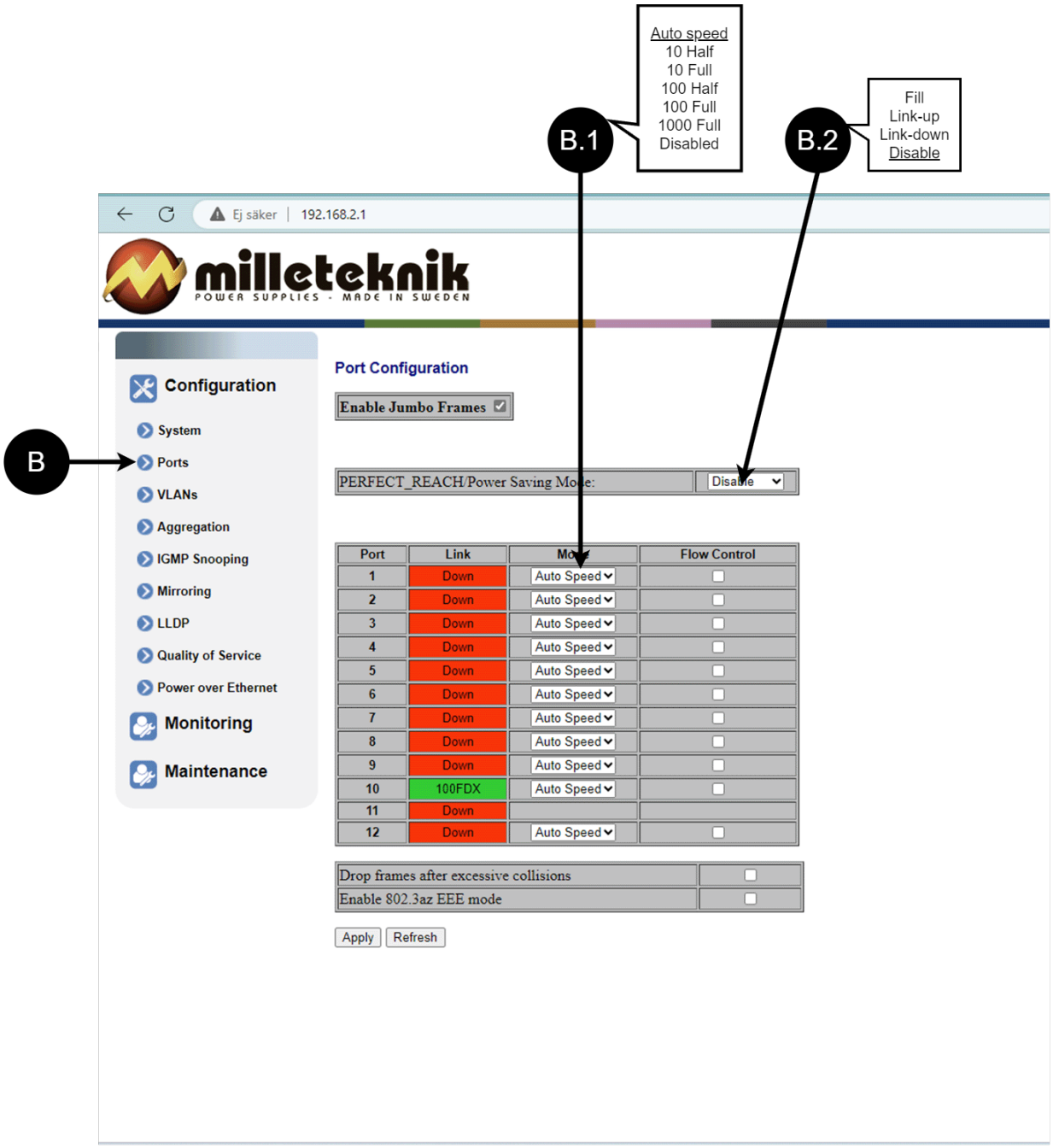
Factory reset the PoE device if it does not behave as expected after adjusting settings on this page.

6.3.2. PORTS, CONFIGURATION

WARNING

The settings on this page normally do not need to be changed. Only change the settings if you absolutely know what you are doing.

Factory reset the PoE device if it does not behave as expected after adjusting settings on this page.



Ports, configuration.

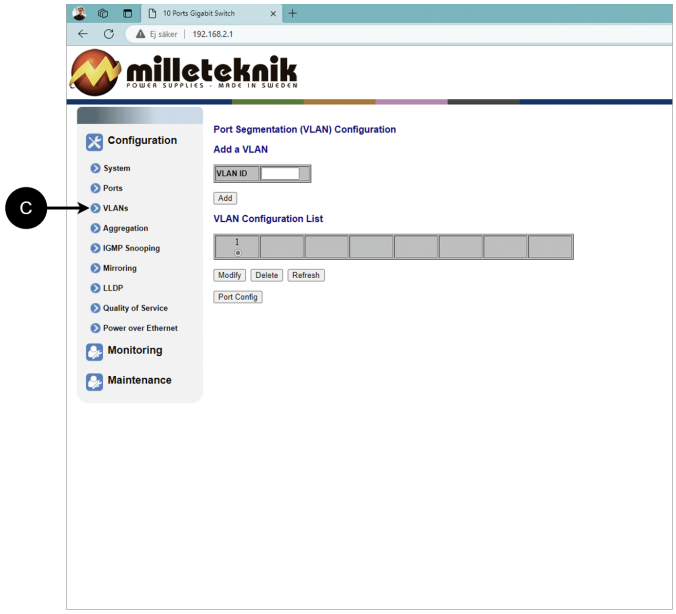
Letter, number	Explanation
B	Gates
B.1	This setting normally does not need to be changed. Select the speed of the PoE switch's ports.
B.2	This setting normally does not need to be changed.

6.3.3. VLAN CONFIGURATION

WARNING

The settings on this page normally do not need to be changed. Only change the settings if you absolutely know what you are doing.

Factory reset the PoE device if it does not behave as expected after adjusting settings on this page.



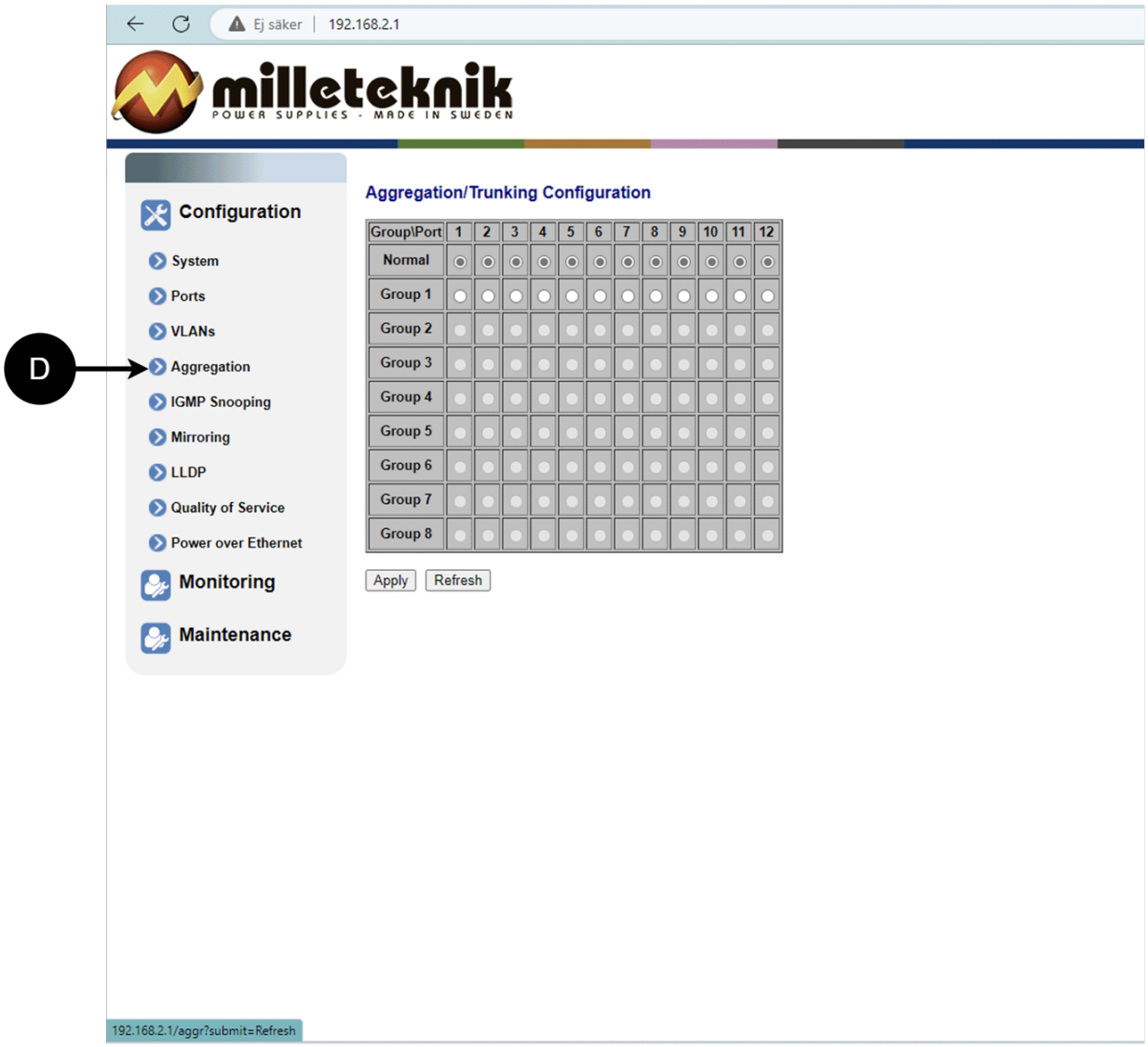
C: Configuration of Virtual LAN.

6.3.4. AGGREGATION, CONFIGURATION

WARNING

The settings on this page normally do not need to be changed. Only change the settings if you absolutely know what you are doing.

Factory reset the PoE device if it does not behave as expected after adjusting settings on this page.



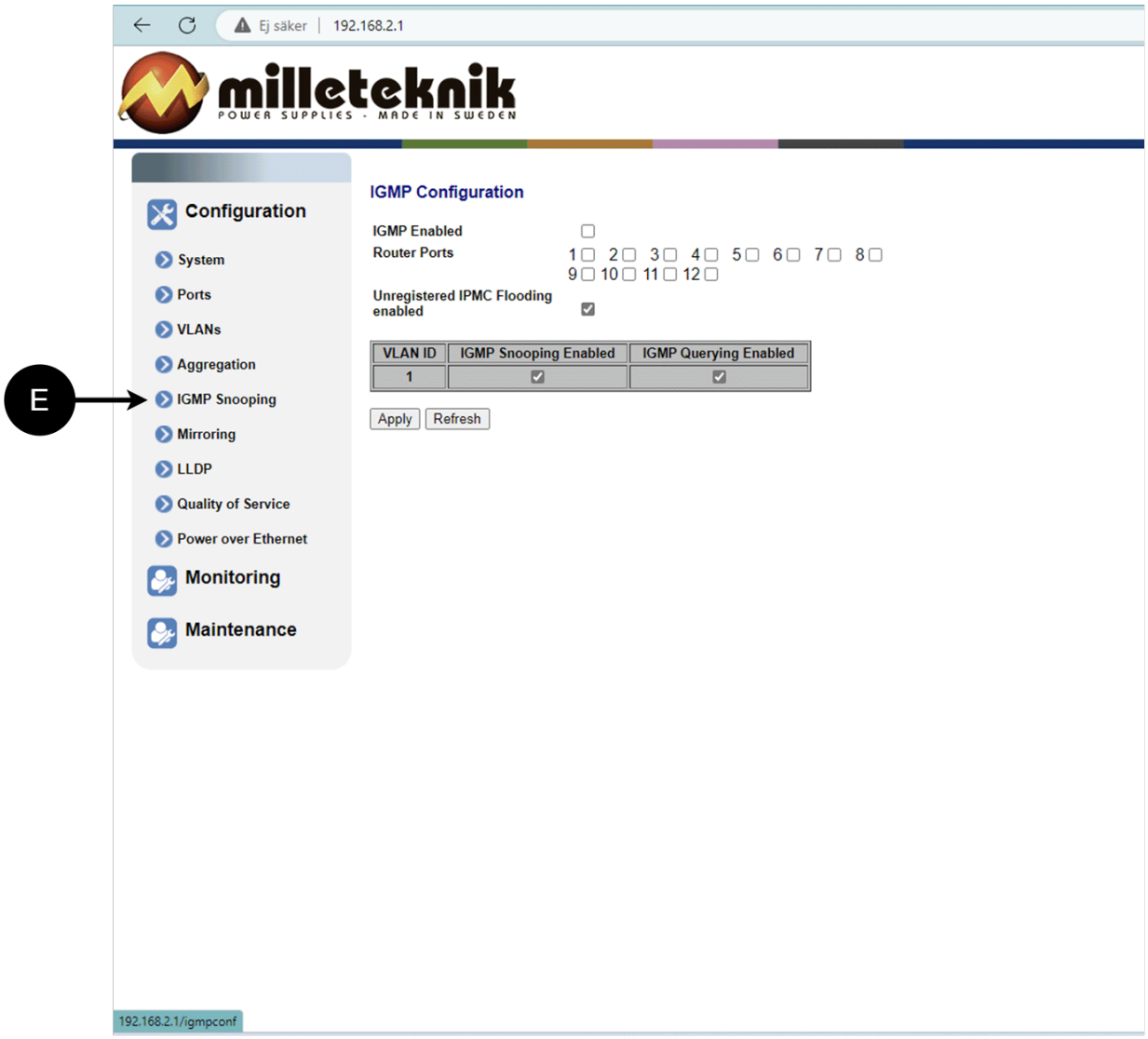
D: Load balancing between the ports.

6.3.5. IGMP SNOOPING, CONFIGURATION

WARNING

The settings on this page normally do not need to be changed. Only change the settings if you absolutely know what you are doing.

Factory reset the PoE device if it does not behave as expected after adjusting settings on this page.



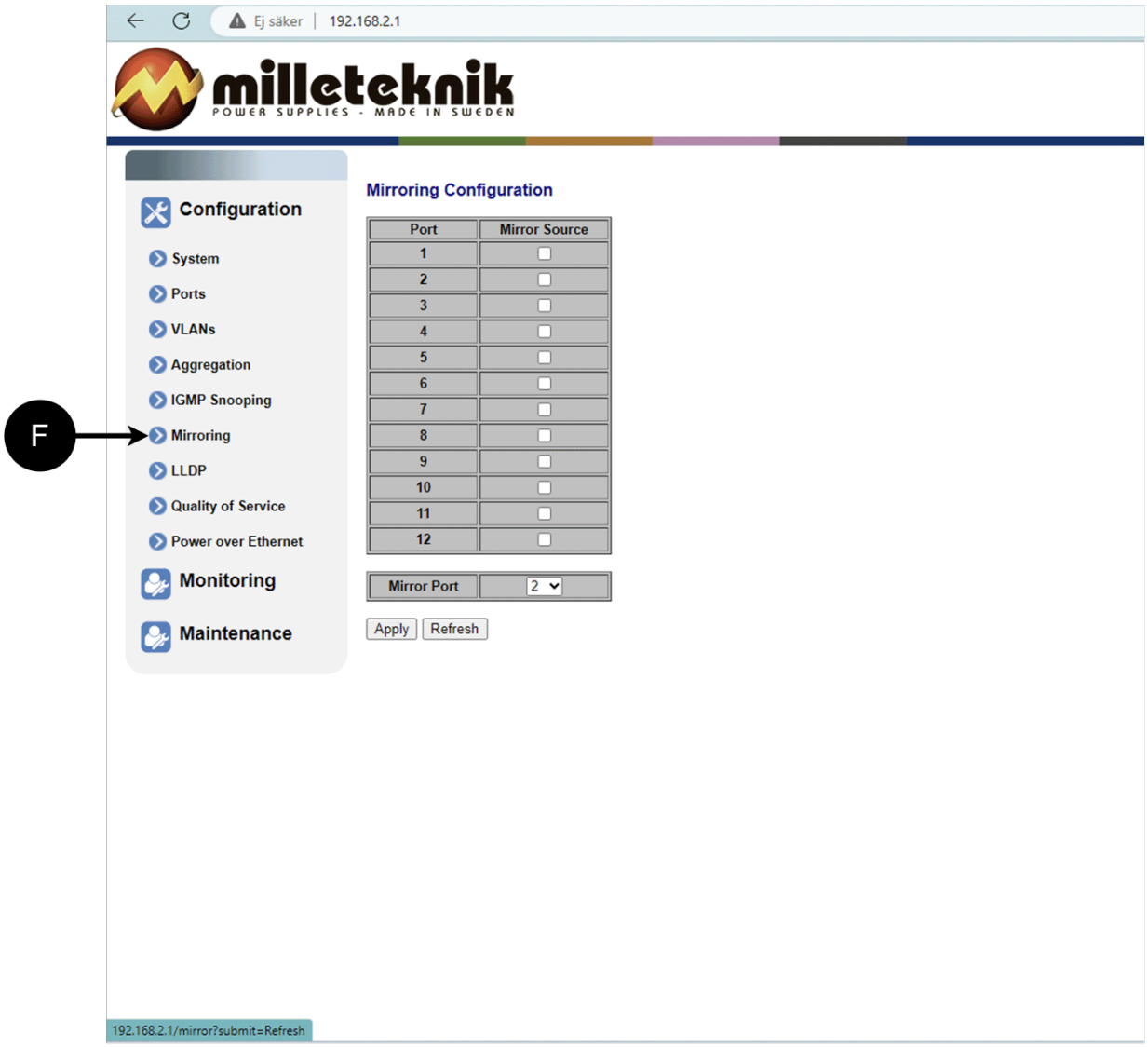
E: Switch that controls reception.

6.3.6. MIRRORING, CONFIGURATION

WARNING

The settings on this page normally do not need to be changed. Only change the settings if you absolutely know what you are doing.

Factory reset the PoE device if it does not behave as expected after adjusting settings on this page.



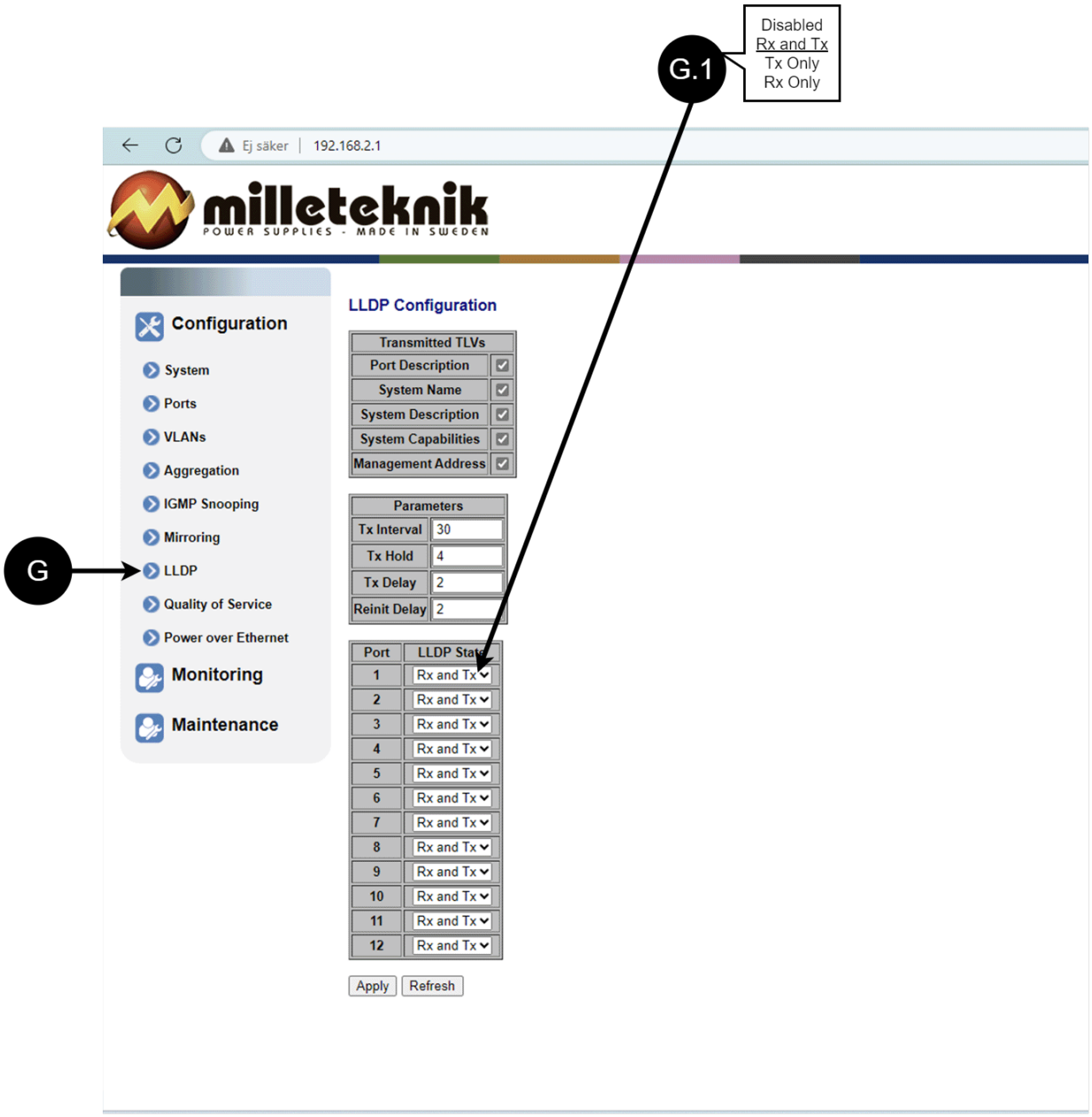
F: Mirroring of ports.

6.3.7. LLDP CONFIGURATION

WARNING

The settings on this page normally do not need to be changed. Only change the settings if you absolutely know what you are doing.

Factory reset the PoE device if it does not behave as expected after adjusting settings on this page.



LLDP configuration.

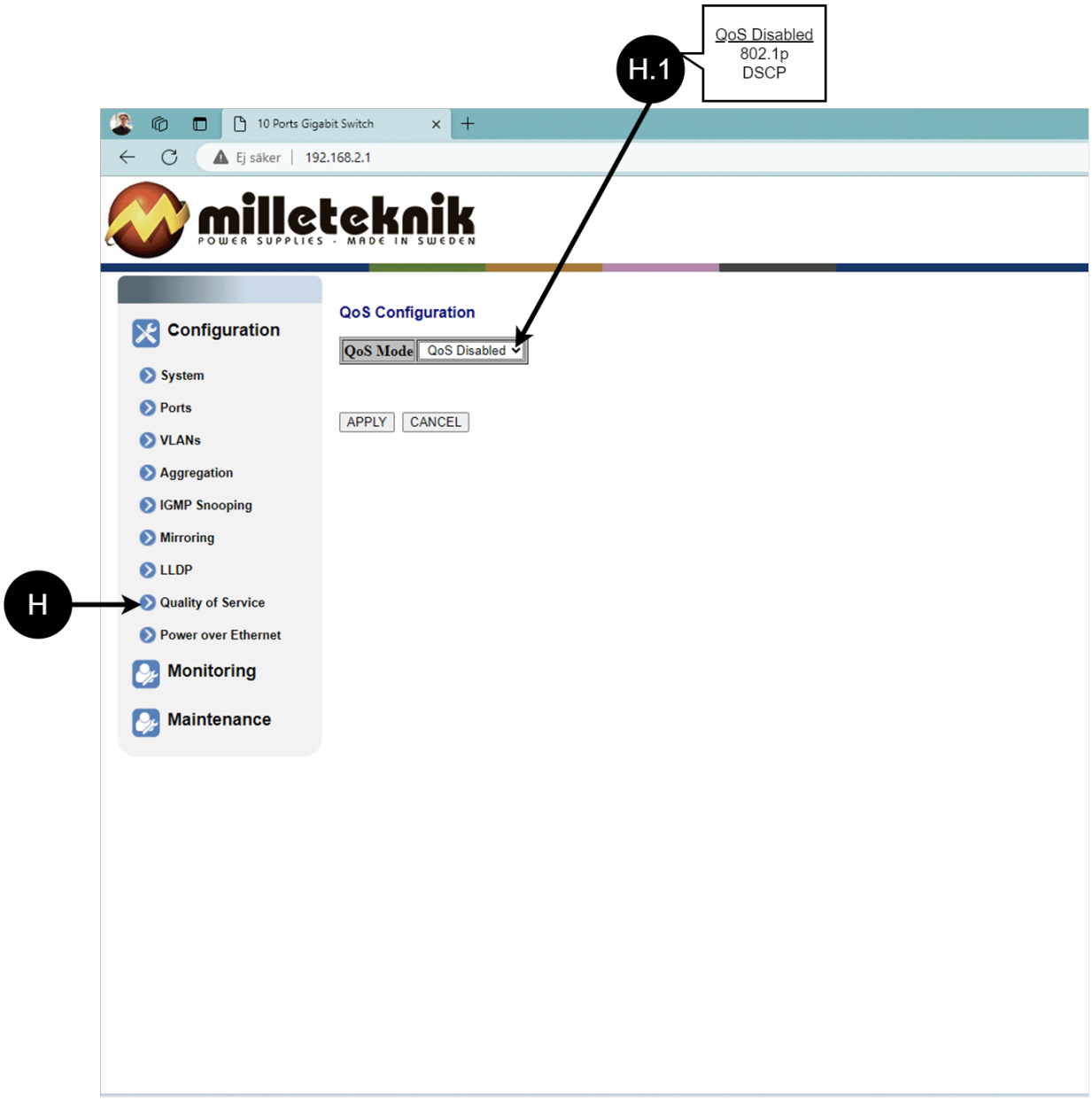
Letter, num-ber	Explanation
G	LLDP stands for "Link Layer Discovery Protocol", which is a network protocol standard used to discover and communicate information about network devices connected to the same Ethernet network. The protocol allows devices such as switches and routers to send and receive messages containing information about the device's identification, capabilities, and connection topology.
G.1	RX and TX are abbreviations used in electronics, communications, and computer networking to indicate the direction of data flow between devices. RX: The abbreviation "RX" stands for "Receive" or "Reception". It indicates that the device is receiving data or signals from another device. When a device has an RX input, it means that it is designed to receive data or information from a transmitting device. TX: The abbreviation "TX" stands for "Transmit" or "Transmission". It indicates that the device is transmitting data or signals to another device. If a device has a TX output, it means that it is designed to transmit data or information to a receiving device. These abbreviations are especially common when it comes to data communication, such as in the context of network cables where there are specific RX and TX wires that allow for two-way communication between devices.

6.3.8. QOS, CONFIGURATION

WARNING

The settings on this page normally do not need to be changed. Only change the settings if you absolutely know what you are doing.

Factory reset the PoE device if it does not behave as expected after adjusting settings on this page.



QoS, configuration.

Letter, number	Explanation
H	QoS gives different network traffic different priority, helping to ensure that important services are delivered with sufficient bandwidth and minimal delay even when the network is under load.

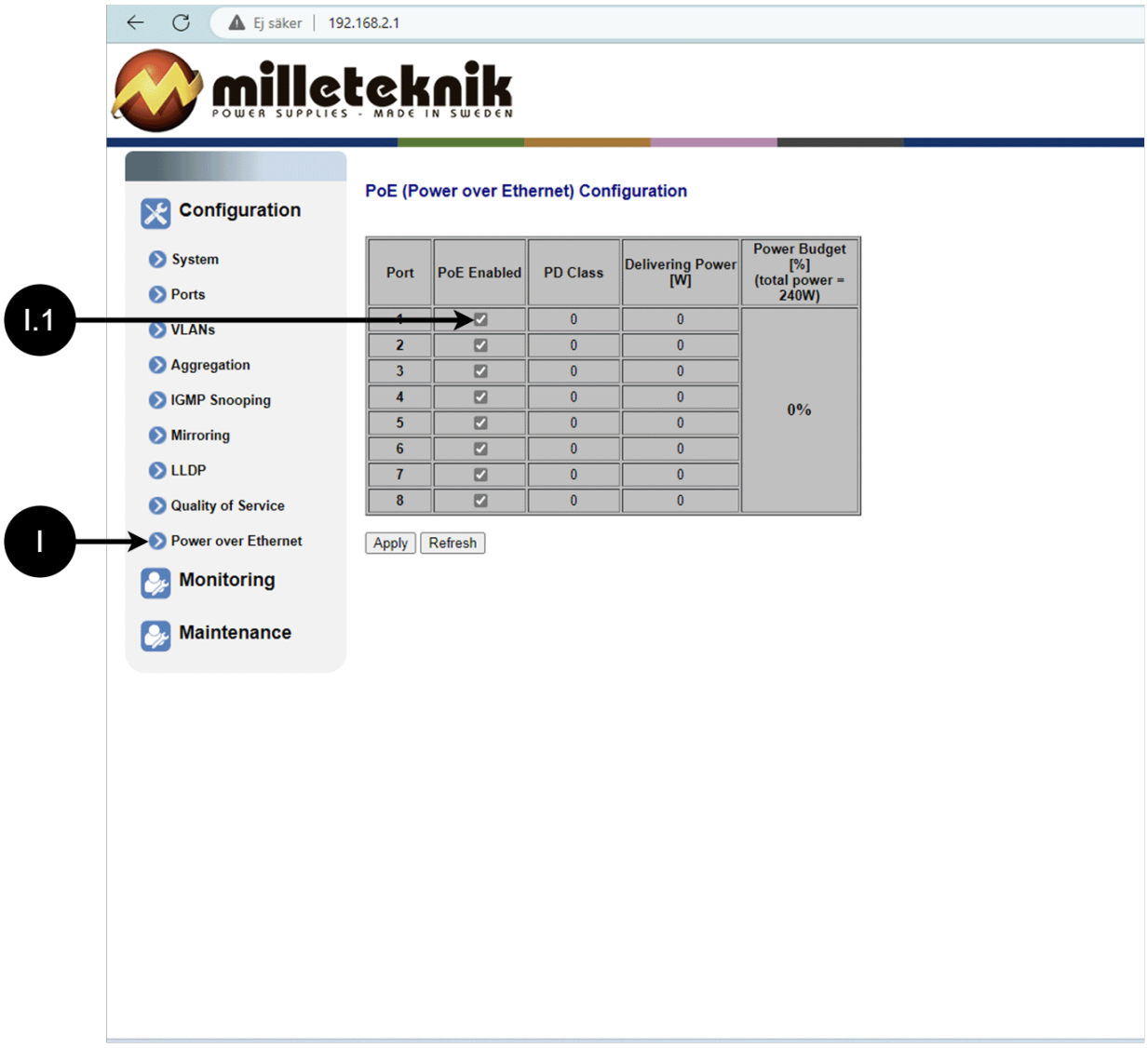
Letter, number	Explanation
H.1	Sets whether QoS is active.

6.3.9. POE, CONFIGURATION

WARNING

The settings on this page normally do not need to be changed. Only change the settings if you absolutely know what you are doing.

Factory reset the PoE device if it does not behave as expected after adjusting settings on this page.

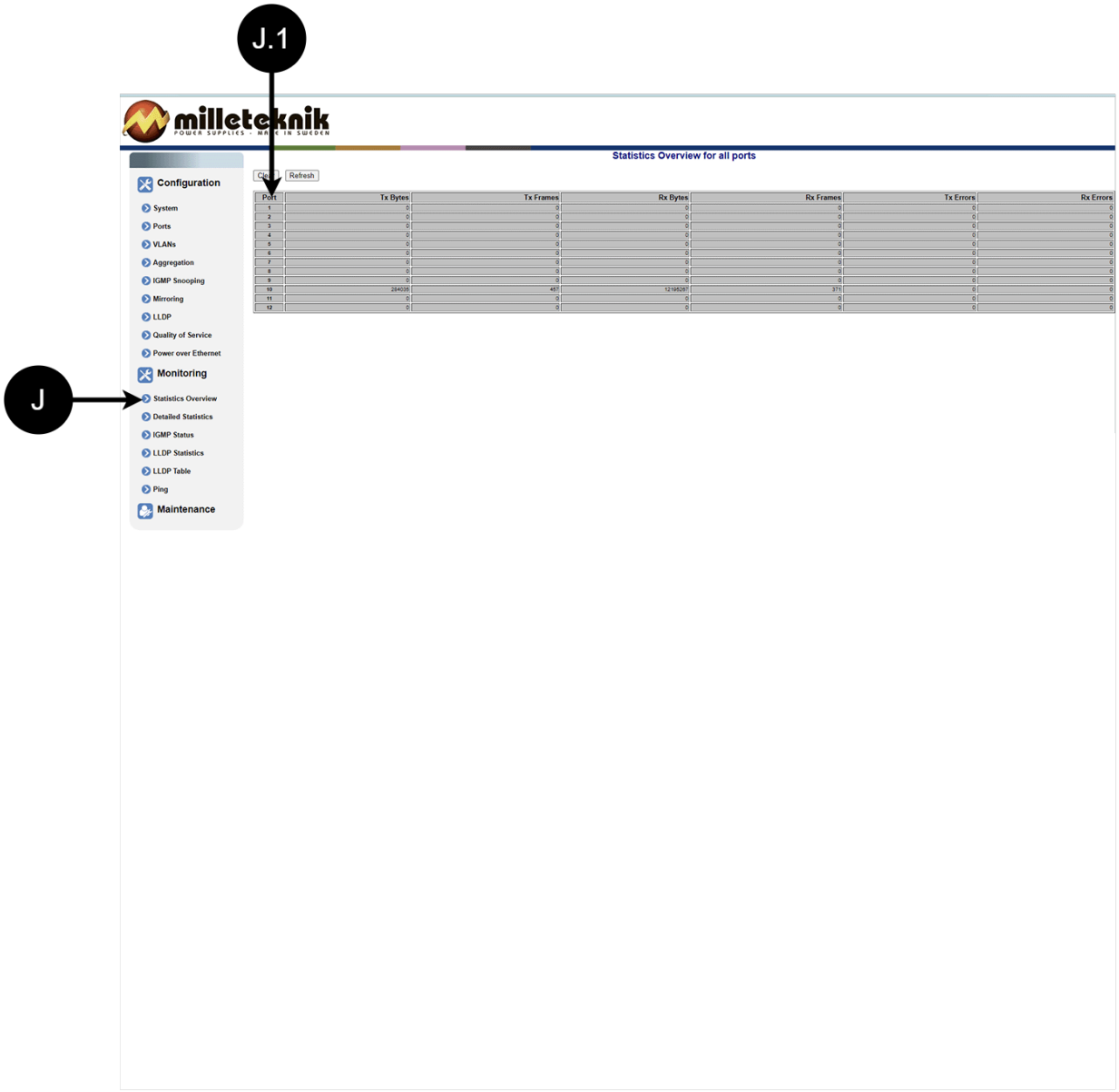


PoE, configuration

Letter, number	Explanation
I	Power over Ethernet
I.1	Turns PoE function/port on or off. Remember to press "Apply" to save changes.

6.4. Monitoring

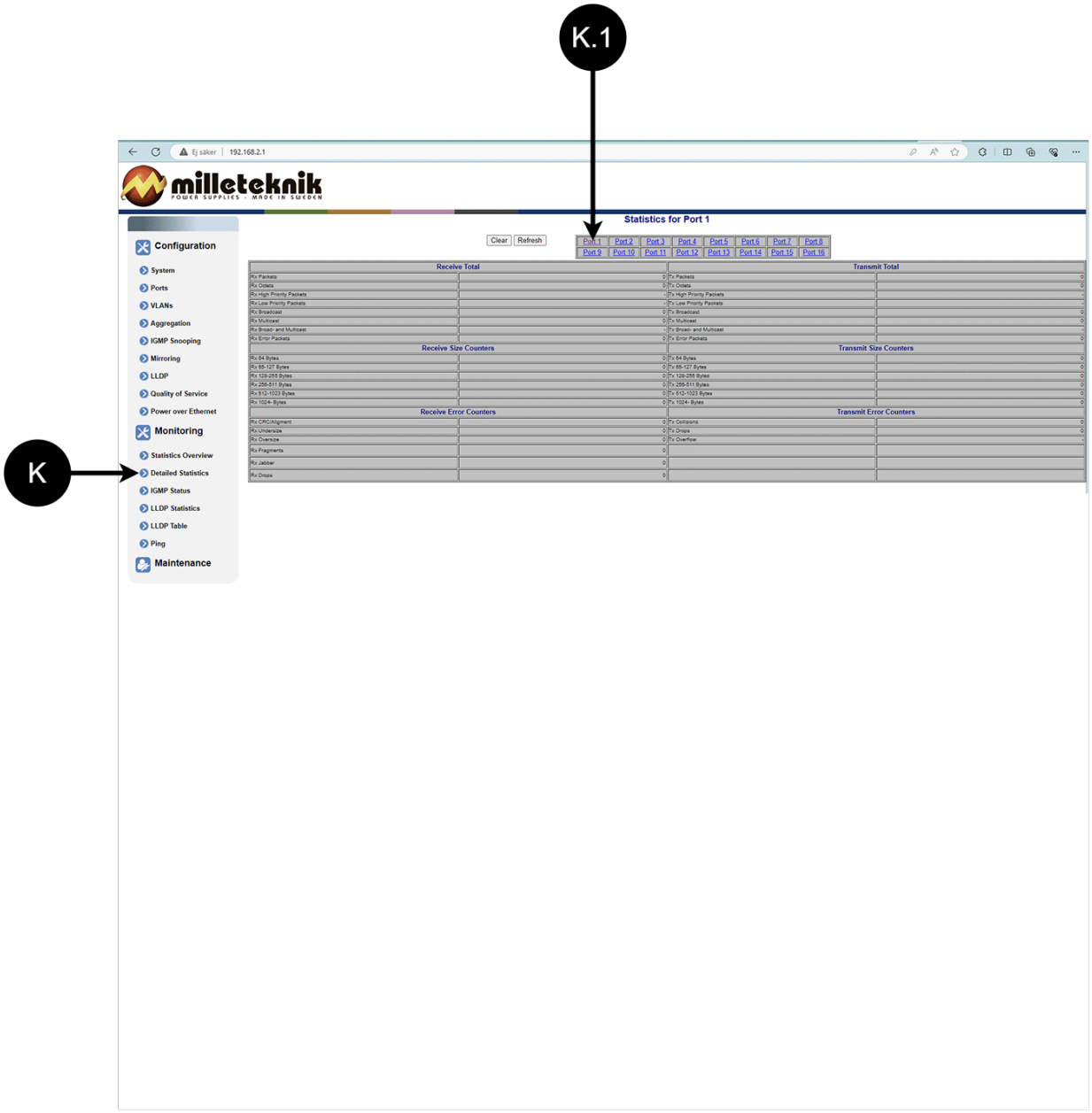
6.4.1. STATISTICS, OVERVIEW



Statistics, overview.

Letter, number	Explanation
J	Statistics, overview
J.1	Traffic per port.

6.4.2. STATISTICS, DETAILED



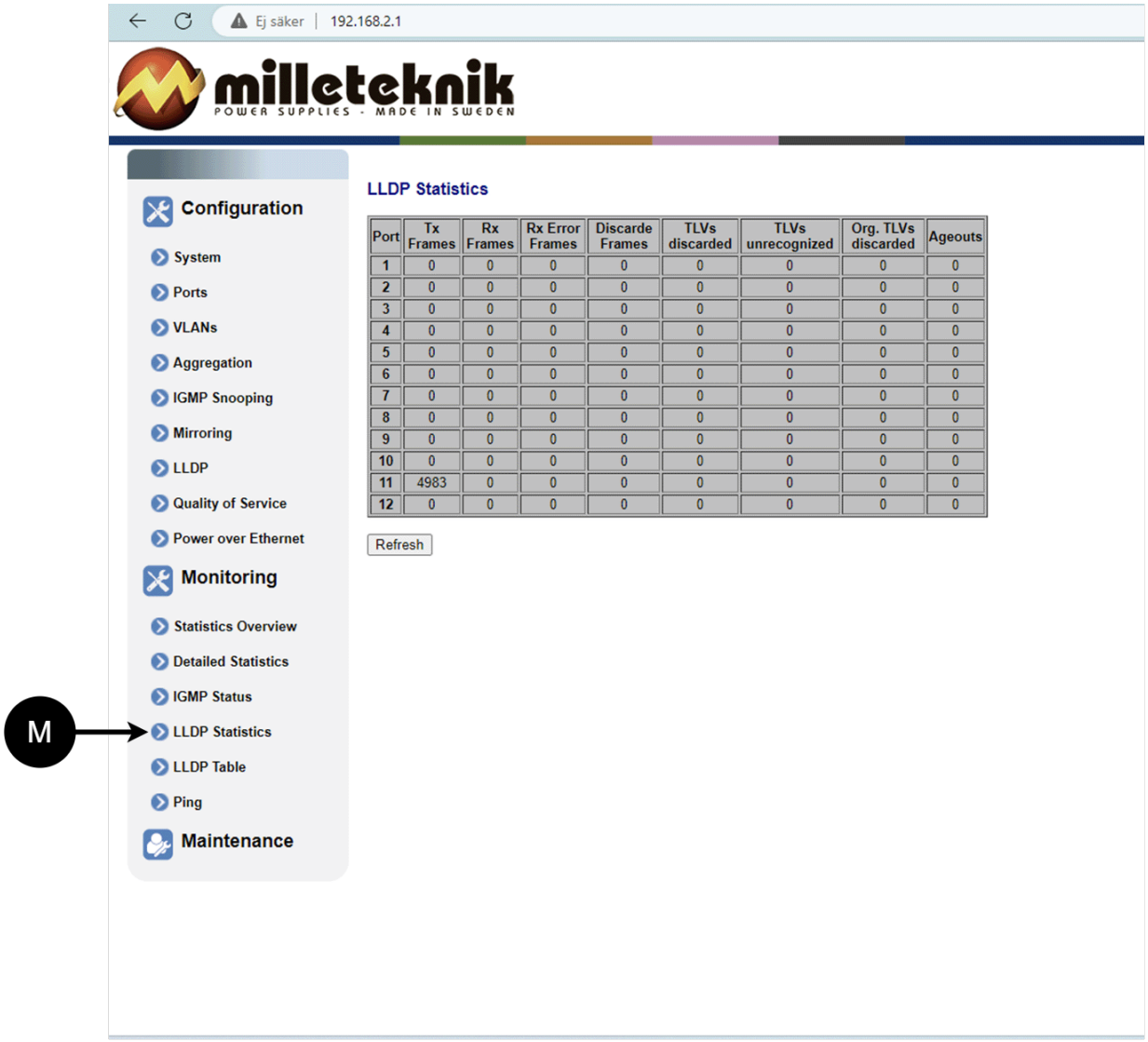
Statistics, detailed.

Letter, number	Explanation
K	Detailed statistics
K.1	Select the port for which you want statistics.

6.4.3. IGMP STATUS

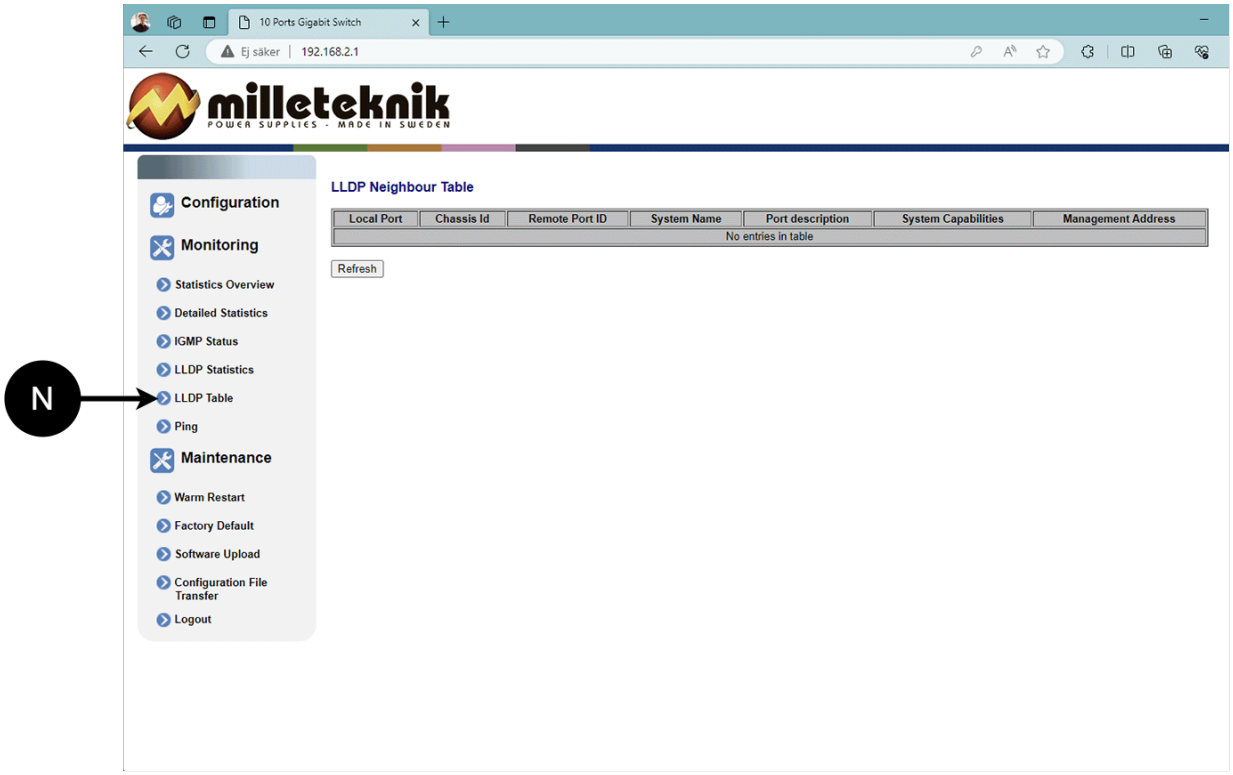
L: Status of IGMP

6.4.4. LLDP STATISTICS



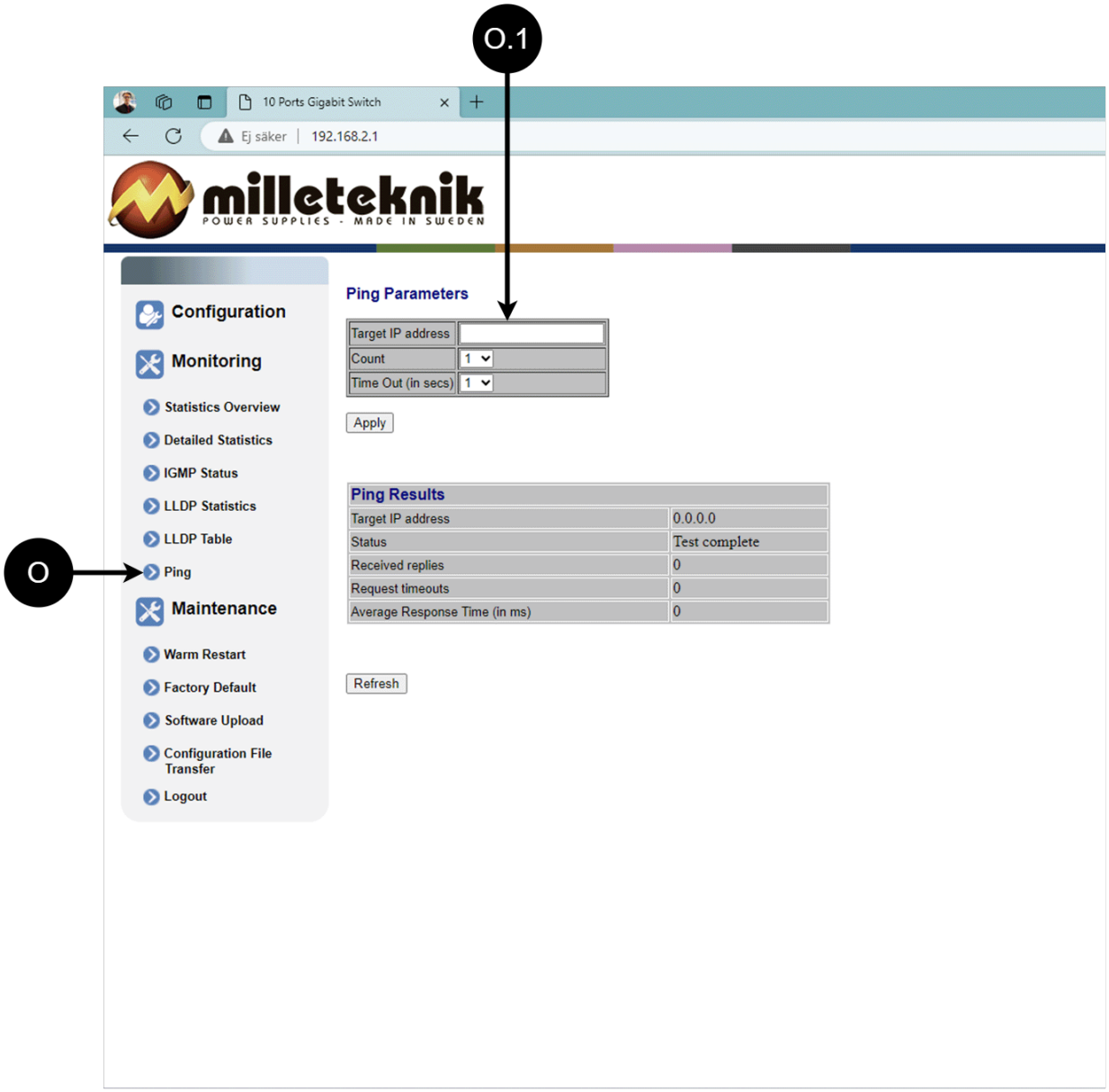
M: LLDP statistics

6.4.5. LLDP TABLE



N: LLDP overview.

6.4.6. PING



Ping.

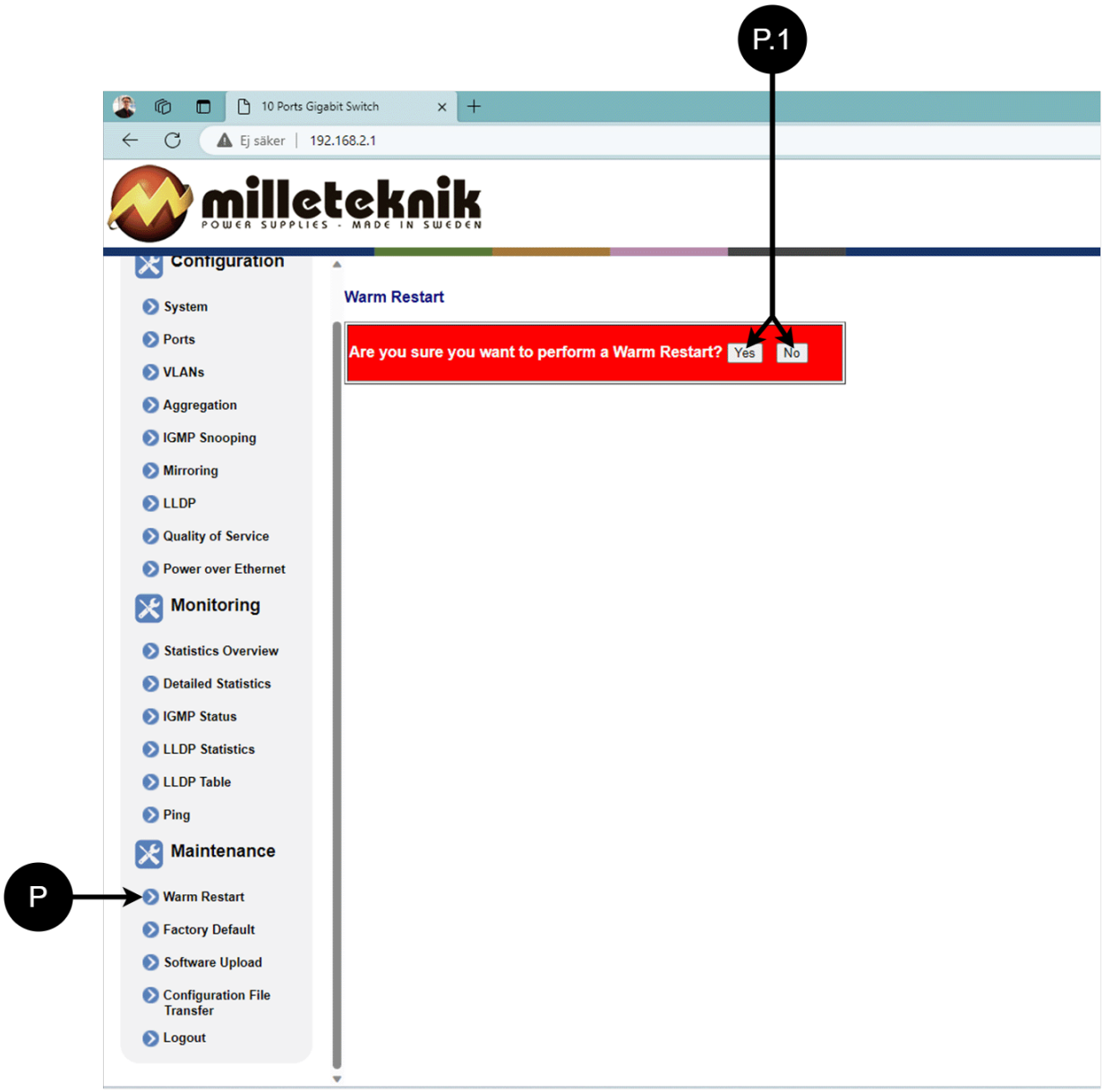
Letter, number	Explanation
O	Ping
[sv] O.1	Input address to test the connection and response time.

6.5. Maintenance

6.5.1. REBOOT

WARNING

Restart is done by PoE switch, battery backup is not restarted. Upon reboot, connected devices will lose connection. Alarm can be set to battery backup, but it disappears when the PoE switch is back on.



Restarting the PoE switch.

Letter, number	Explanation
P	Rebooting the PoE switch.
P.1	Select "Yes" to reboot the switch.

6.5.2. FACTORY RESET

WARNING

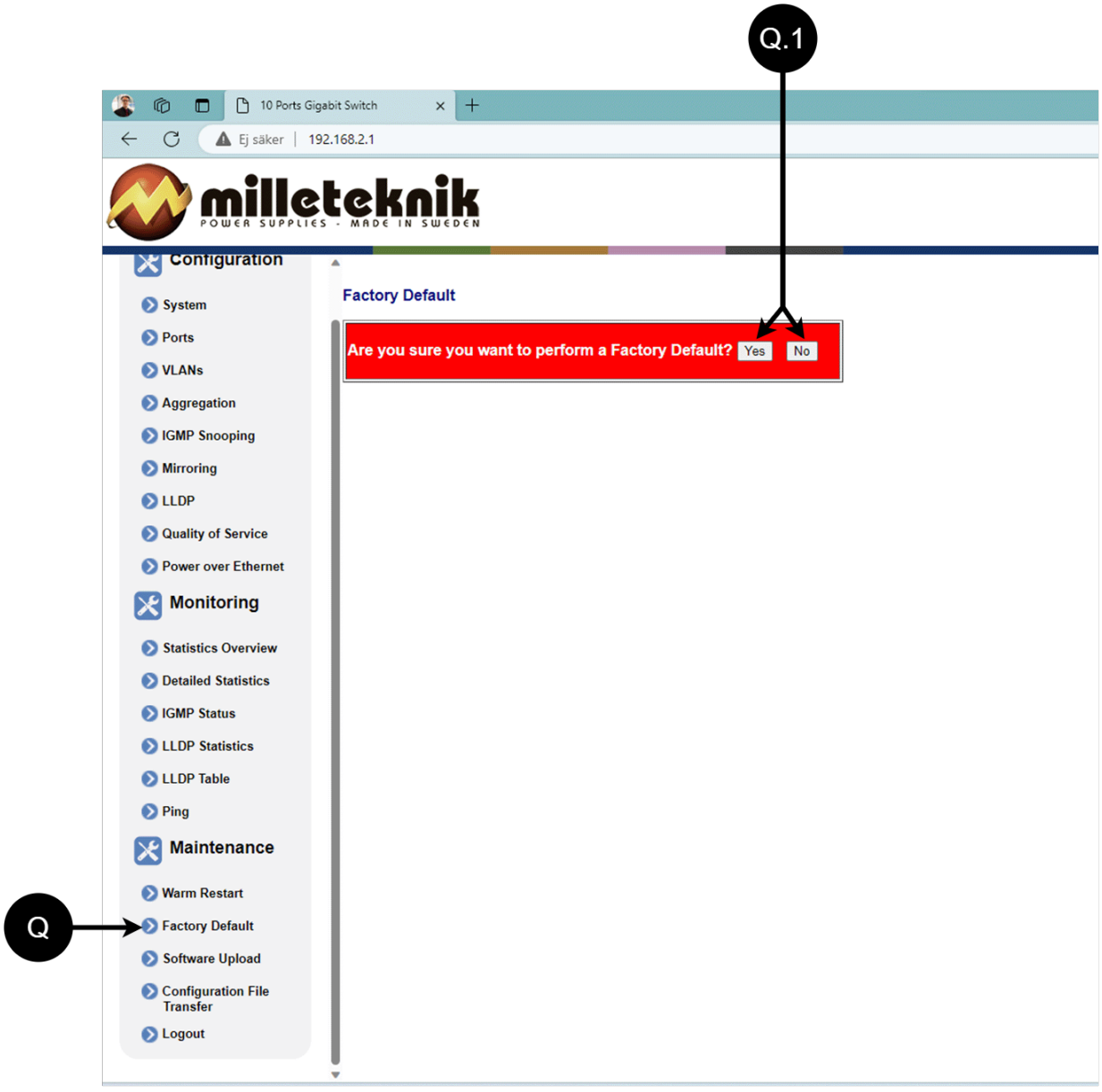
Factory reset is done by PoE switch. Battery backup is not restored. On reset, connected devices will lose connection. Alarm can be set to battery backup, but it disappears when the PoE switch is back on.

Factory reset of the switch can only be done from the software's (this) interface.

Recommendation: Keep IP address 192.168.2.1 and note password.

IMPORTANT

During a factory reset, all settings, including IP settings, are lost. Save configuration before factory reset. See Upload new software [25]



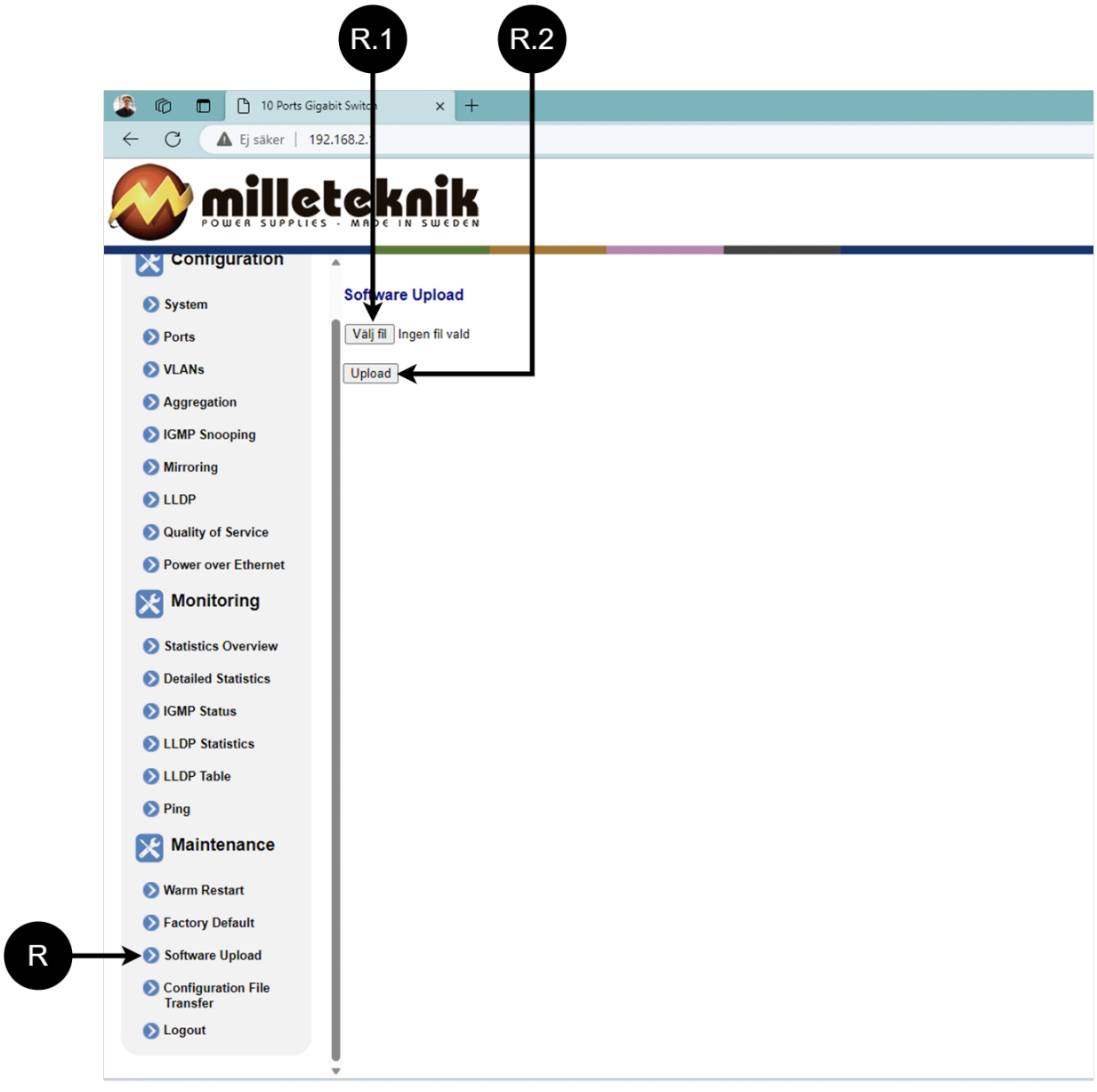
PoE switch factory reset.

Letter, number	Explanation
Q	Factory reset the PoE switch.
Q.1	Select "Yes" to factory reset the PoE switch.

6.5.3. UPLOAD NEW SOFTWARE

WARNING

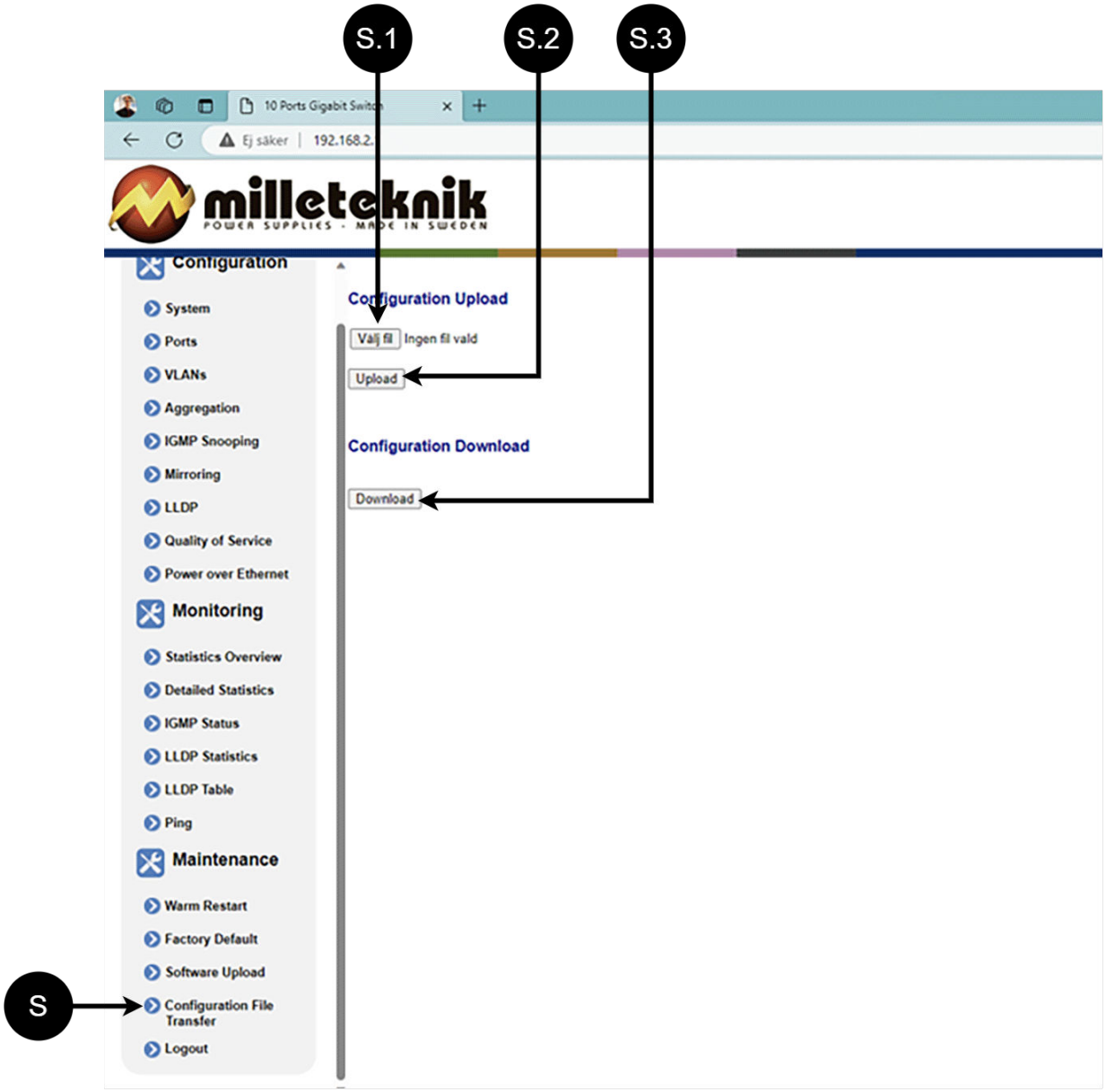
Only use software you received from Milleteknik's support. Milleteknik assumes no responsibility for software or consequences such as damage to the device or peripheral equipment or other damage that may arise from uploading unapproved software.



Upload new software.

Letter, number	Explanation
R	Upload new software to the Switch.
R.1	Navigate to the location on your computer where you saved the file.
R.2	Click "Upload" to upload the software.

6.5.4. LOAD AND SAVE CONFIGURATION FILE

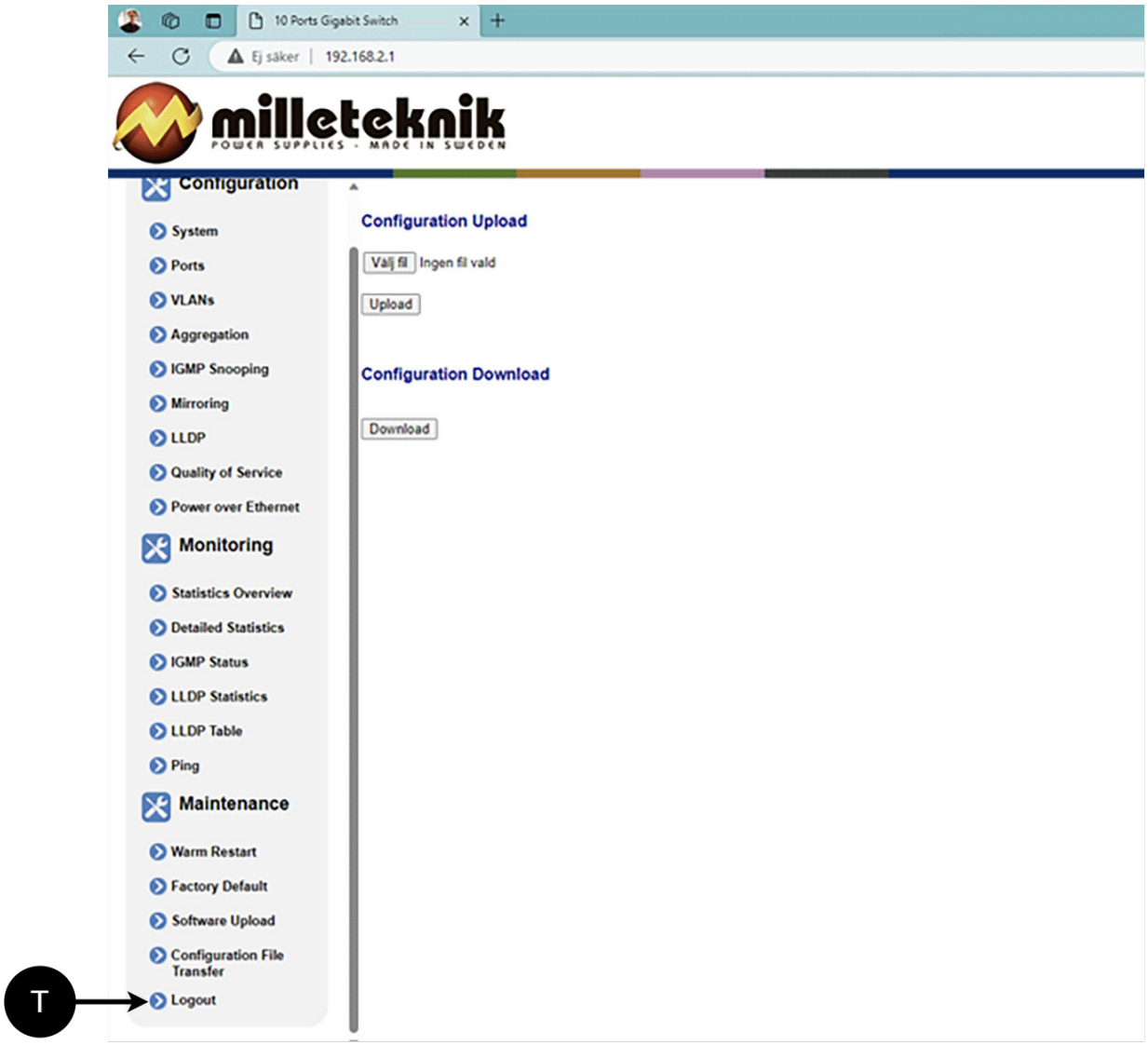


Load and save configuration file.

Letter, number	Explanation
S	Upload or download the switch's configuration.
S.1	Select new configuration file.
S.2	Upload new configuration file.
S.3	Download configuration file to computer[a.].

[a.] Newer Windows computers do not allow *.cfg files to be downloaded without additional approval in the browser when downloading. Antivirus programs may delete the file during download.

6.5.5. SIGN OUT



T: Log out of the switch. This does not affect the operation of the switch.

6.6. About this information

All information is published subject to possible errors. Information is updated without prior notice.

Publication date 2025-03-18

7. COMPATIBLE PRODUCTS

The product is compatible with all Milleteknik battery backups that supply 24V DC out.

8. PRODUCT SHEET - POWER SUPPLY / BATTERY BACKUP

8.1. Product sheet - power supply from Milleteknik

8.1.1. PRODUCT IMAGE

8.1.2. NAME, ARTICLE NUMBER AND E-NUMBER

Name, article number and email number

Name	Item number	E-number (sv)
PoE switch 8p managed 1HE	1U02PM002408OP01	51 731 52

8.1.3. DESIGNATION

Eight-port Managed PoE switch in enclosure for 19" rack.

8.1.4. AREA OF USE

PoE switch 8p managed 1HE provides full control over power supply (via PoE ports) and data transmission to up to eight devices, with a power of 30.8 W per port. Easily mounted in a 19” rack, it also has two LAN ports for extra connections. The built-in management features provide seamless monitoring and configuration via computer

8.1.5. COMMON USES

- Power and data to security cameras.
- Connection of access points and IP telephones.
- Network management in security installations.

8.1.6. TECHNICAL DESCRIPTION

PoE switch for up to AT standard. Delivers 30.8W per PoE port. No 24 V load outputs are available on this unit

8.1.7. VOLTAGE, CURRENT AND POWER

Voltage in:

Voltage out:

Max power per port: 30.8 W.

8.1.8. OUTPUTS

Eight PoE ports and two LAN ports.

8.1.9. ALARM

Alarm functions are missing.

8.1.10. ENCLOSURE

Sheet metal box for mounting in a 19" rack stand. Powder coated black.

Dimensions, with and without packaging.

Dimensions, height x width x depth.[a.]	Dimensions with packaging.
44 x 244 x 280 mm	110 x 490 x 340 mm

[a.] Dimensions of product and packaging may differ, this is because the product may lie differently in the packaging.

Height units, fan and IP class.

HE	Built-in fan	IP class
1	Yes	IP20

8.1.11. WEIGHT

Weight.

Name	Net weight	Weight incl. packaging
PoE switch 8p managed 1HE	2.0 kg	2.3 kg

8.1.12. INSTALLATION REQUIREMENTS

The device is intended for fixed installation. The unit must be installed indoors, environmental class 1, ambient temperature: +5°C to +40°C.

8.1.13. REQUIREMENTS THAT THE PRODUCT MEETS

The product meets the following requirements.

EMC:	EMC Directive 2014 / 30EU
Electricity:	Low voltage directive: 2014/35 / EU
CE:	CE directive according to: 765/2008
Environment	REACH Regulation: Directive 1907/2006, WEEE Regulation: Directive 20021961E, RoHS Regulation: Directive 2015/863

NOTE
The product is part of electrical systems, is subject to the relevant electrical and safety directives and is not a machine according to the Machinery Directive (2006/42/EC).

CE

8.1.14. GUARANTEE

The product has a two-year warranty for manufacturing defects.

8.1.15. MANUFACTURING, LIFESPAN, ENVIRONMENTAL IMPACT AND RECYCLING

Manufactured by Milleteknik in Partille, Sweden.

The product is designed for a long service life, which reduces the environmental impact. End-of-life products are handed over to the nearest recycling centre.

8.1.16. ABOUT THIS INFORMATION

All information is published subject to possible errors. Information is updated without prior notice.

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9. ADDRESS AND CONTACT DETAILS

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