

ACCREDITED SOLUTION

SAILOR[®] – D-Link DES-1008P PoE switch



Document Name: SAILOR– D-Link DES-1008P Power over Ethernet Switch (PoE)

Revision: B

Introduction: This document describes how to connect the SAILOR FB terminal to the DES-1008P PoE Switch D-Link.

Typical Users: Multi-user environment such as:

- ▶ Small offices
- ▶ Leisure/ Yachts
- ▶ Commercial shipping
- ▶ Offshore
- ▶ Fishery

Product Description: The D-Link DES-1008PA is an 8-Port 10/100Mbps PoE Ethernet Switch with four PoE Ports that can provide power of up to 15.4W to PoE-enabled devices such as wireless Access Points (APs), Thrane IP handsets and IP cameras.

You can also add other Ethernet devices like computers, printers, and Network Attached Storage (NAS) onto your network. This device runs ultra-quiet, making it ideal for both home and small office use.

No configuration is required and installation is quick and easy. Support for Auto-MDI/MDI-X on all ports eliminates the need for crossover cables for connection to another switch or hub. Auto-Negotiation on each port senses the link speed of a network device (either 10 or 100) and intelligently adjusts for compatibility and optimal performance. When an IEEE 802.3af compliant device is attached, power supplied to that device will be automatically adjusted to fit the device.

The DES-1008PA also features diagnostic LEDs, which display status and activity, allowing you to quickly detect and correct problems on the network. With wire-speed filtering and store-and-forward switching, the DES-1008PA also maximizes network performance while minimizing the transmission of bad network packets.

Features:

- ▶ Diagnostics LEDs for power and PoE max
- ▶ Diagnostics LEDs for activity/ and speed for each port
- ▶ Diagnostics LEDs for power and status for each PoE port
- ▶ 8 RJ-45 10/100 BASE-TX ports, 4 of these with 802.3a PoE
- ▶ Auto-MDI/MDI-x on all ports



More product info <ftp://ftp.dlink.eu/datasheets/DES-1008P.pdf>

DES-1008P specifications (metal housing):

Cat. 5 UTP or STP cable	up to 100 meter (328ft)
Max power consumption	62.3 W maximum
PoE budget	Up to 15.4W max per port, 56W in total for port 1-4
Certifications	FCC Class B, CE and VCCI
Operating temp.	0°C to +40°C (+32°F to +104°F)
Humidity	5% ~ 90% non-condensing
Weight incl. power cable	454 gram (1 lb)
Dimensions (W x D x H)	171 x 98 x 29 mm (6.73" x 3.86" x 1.14")

Please see D-Link's homepage for other PoE products:
<http://www.dlink.com/products/category.asp?cid=108&sec=0>

D-Link. contact details:

E-mail <http://support.dlink.com/contact/>
Phone +1-877-354-6555
Web <http://www.d-link.com>

Thrane & Thrane contact details:

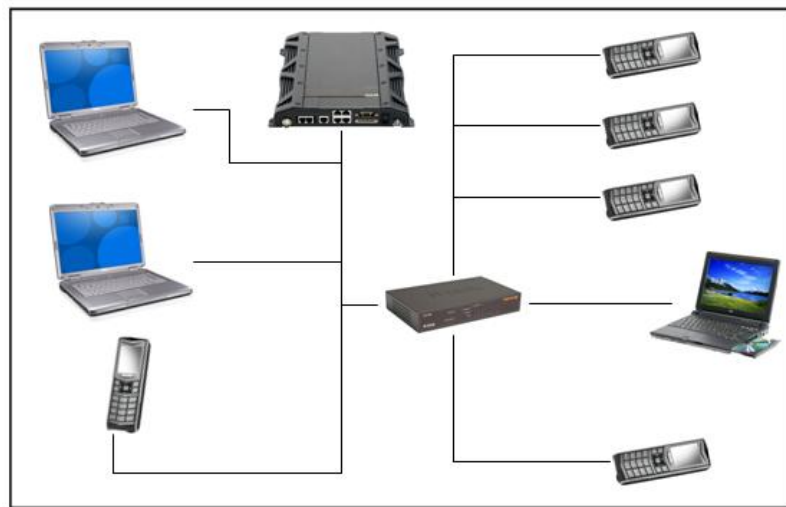
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Tested on products:

SAILOR 500 Software version: 1.02

Instructions:

The SAILOR FB terminal (BDU) has four Ethernet ports all with PoE. If you want to connect more computers, VoIP phones etc, some of which may require PoE, or you simply want to extend your LAN you might need to use a PoE switch like the D-Link DES-1008P.



Picture 1: Possible setup with PoE switch

Below is a short description of how to connect a Thrane IP handset through the switch to a SAILOR FB terminal.

Make sure that the SAILOR FB terminal and the Ethernet switch have power connected and are powered up.

Connect a Cat. 5 UTP LAN cable on a port in the range 5 through 8 on the switch and connect the other end of the cable to one of the LAN ports of the SAILOR FB terminal. All ports can be used, but you most likely want to have as many PoE ports free as possible so port 1 through 4 should not be used for the connection to the SAILOR FB terminal.

Connect the Thrane IP handset or any other PoE device to the switch on a port in the range 1 through 4 since these are the ones with PoE.

Now you should see the Thrane IP handset or device power up and get an IP address and then be ready for use.

Note:

Note unplugging/plugging devices in and out of the switch very quickly can damage it. It takes approx. 100mS for the switch to detect that a device has been unplugged and disable the PoE power. Further more it is important to remember to plug in the power cord in the Ethernet switch before plugging in the adaptor in the power source.

Tests performed:

The switch was tested with Thrane IP handsets and different PCs, everything worked fine.

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