

Application Note 25

CITREX web server

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CITREX web server software enables you to analyse and log measurements of CITREX devices in a browser. The web server software provides real-time curves, trending, cursors and logging options in Excel format. The Ethernet connection of the CITREX devices provides you with easy access to the equipment via a network. You can track and analyse the measured real-time data on the computer. In addition, you can change settings on the device with the so-called configuration tool via the web browser.

Editorial

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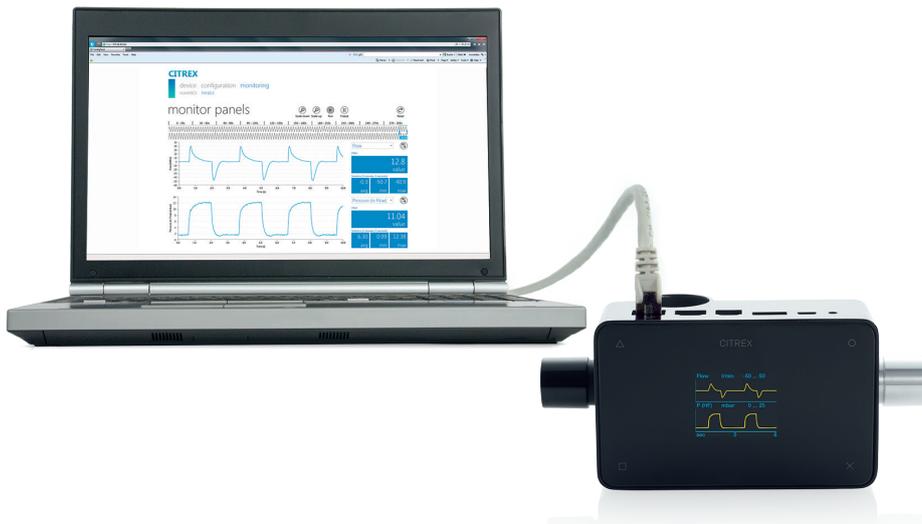


For this, you need the following components:

- CITREX device
- 1×RJ45 cable
- Internet Explorer
- Microsoft Silverlight 5

If you are not using **any DHCP server**, you will need the **standard IP configuration** of the CITREX:

IP address: 192.168.1.1
Subnet mask: 255.255.255.0



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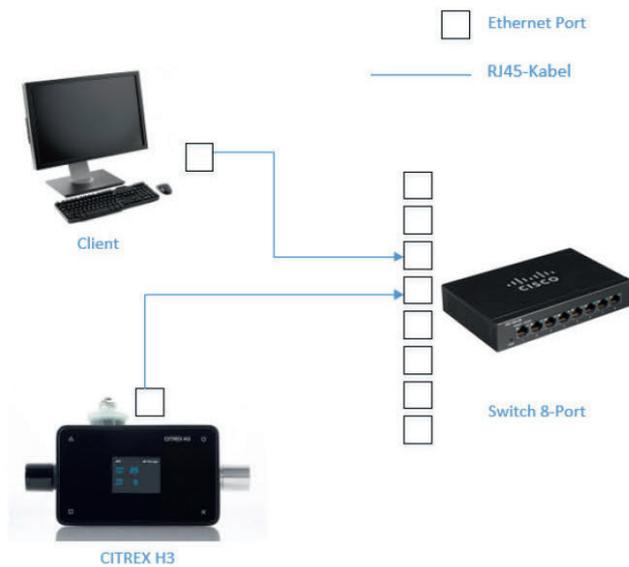
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Establishing a connection

There are **two options** for establishing a **connection** to the CITREX web server:

1. Connection with switch

This example illustrates the **wiring** for a **switch**. You can also connect the CITREX directly to the client with an **RJ45 cable**.



Direct connection

The two components can also be directly connected with an **RJ45 cable**.



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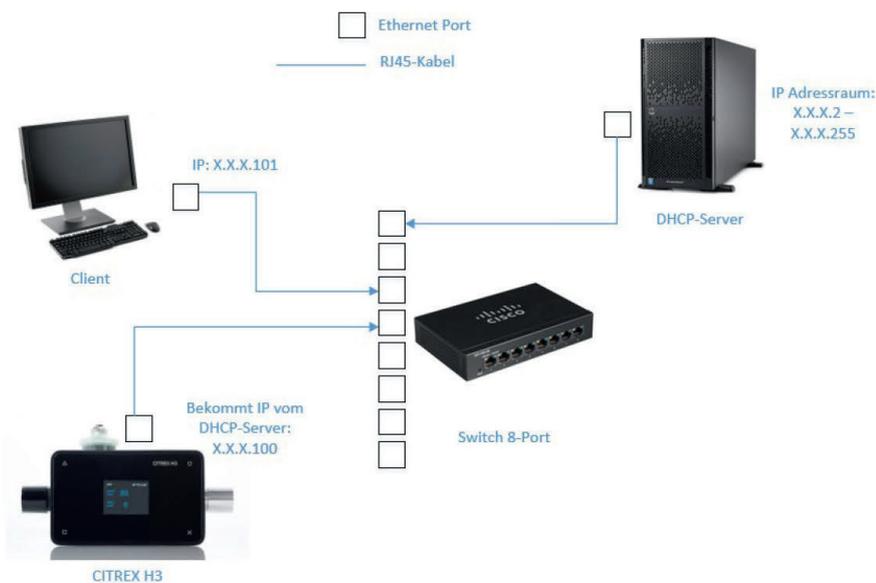
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Connection with DHCP

On the CITREX, switch to DHCP and **connect** it to your **network** using a conventional **RJ45 cable**. The **computer** also has to be connected **to the network**.

After this, navigate to Internet Explorer and enter **the IP address displayed** on the **CITREX**.



2. With a standard IP configuration

Connect the CITREX measurement device via a **network cable** to your computer and adjust the network settings.

Open the control panel on your computer.

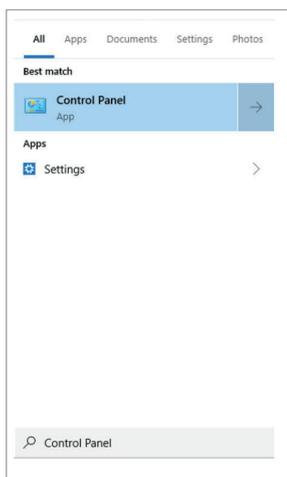


Figure 1: Windows control panel

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Click the **Ethernet connection**, which in this example would be “Ethernet 2”.

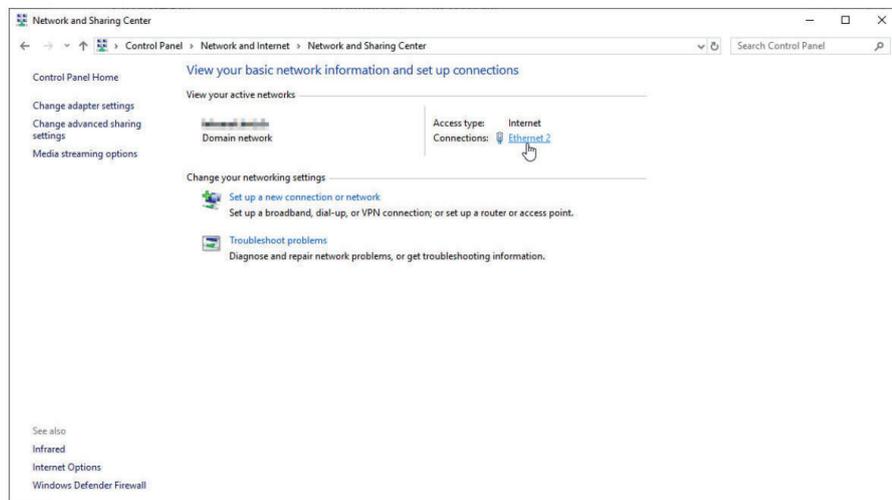


Figure 2: Network and sharing centre in Windows 10

Click **“Properties”**.

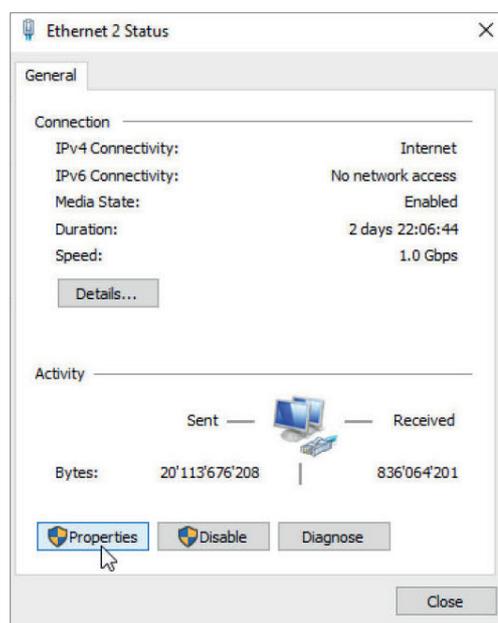


Figure 3: Status window of the Ethernet interface

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

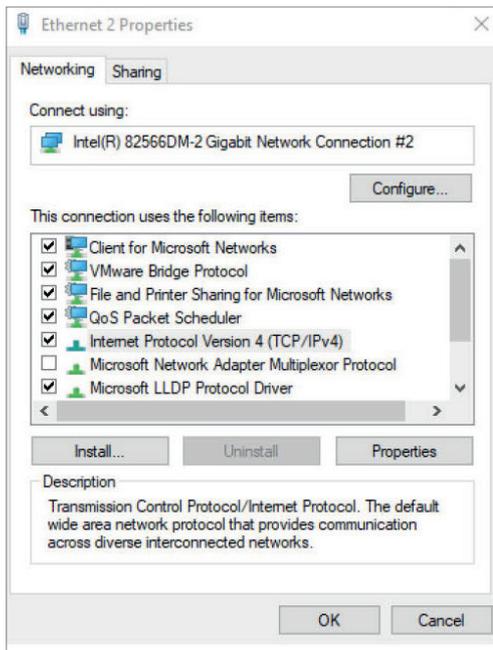


Figure 4: Settings window of Ethernet 2 connection

Enter a random **IP address** between **192.168.1.2 – 192.168.1.255**. The subnet mask is **255.255.255.0**. In our example the IP address 192.168.1.100.

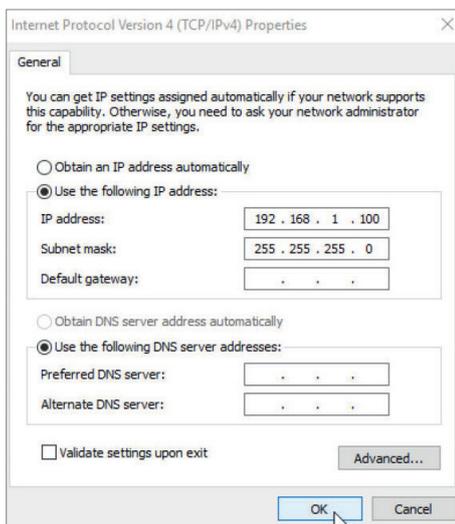


Figure 5: Configuration of the Ethernet connection

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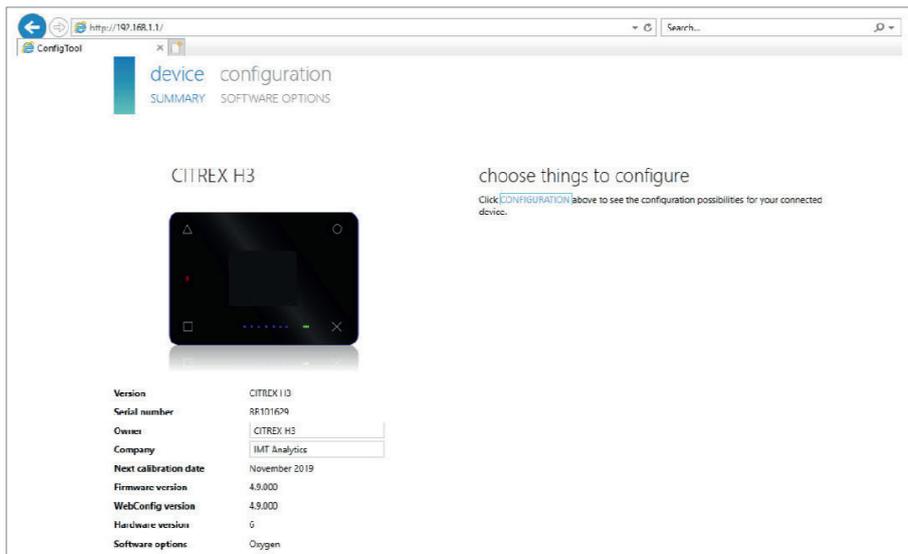
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Open Internet Explorer and if you have not installed Microsoft Silverlight, you can download it (before you establish the connection) from the following link.

Download Microsoft Silverlight:

<https://www.microsoft.com/silverlight/>

Enter the standard IP address “**http://192.168.1.1**” in the search bar. Confirm with **<Enter>**. The web interface of the CITREX is displayed.



You can enter the owner and company in the web interface.

Glossary

Term	Description	Remarks
DHCP	Dynamic Host Configuration Protocol	Enables assignment of network configurations to clients via a DHCP server.
IP address	IP = Internet-Protocol	Assigned to devices connected to a network and in this way makes the devices addressable/available.

« Web server software – ideal for convenient configuration of your CITREX measurement device. »