Remote Access for Schneider Electric PLC

Discover how you can provide remote service with full access to your Schneider Electric PLC, in an easy and secure way.

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Remote VPN access to Schneider Electric PLC with IXON Cloud

IXON offers a powerful remote access solution and industrial IoT platform for the Schneider Electric PLC range: IXON Cloud. It enables machine builders and system integrators to get easy, fast and secure remote VPN access to the programming software and network of Schneider Electric. From anywhere at any time.

Benefits of IXON Cloud for Schneider Electric PLC devices:

- All-in-one solution where hardware and cloud work together seamlessly, which makes it easy to configure with the Plug & Play setup
- Web-based cloud portal and mobile app for secure and fast access to all your devices
- User-friendly through the intuitive and customisable interface
- Top-notch security level, thanks to the built-in firewall and IXON's dedicated security experts
- Unlimited users without licenses to optimally work together with colleagues, partners and customers
- Scalable to your (customers') needs in terms of number of machines and users, integrations and additional features such as data logging and alarms.

Explore all features

IXrouter: Industrial VPN router for Schneider Electric PLC

To access your Schneider Electric PLC remotely, IXON has developed the IXrouter. The IXrouter is a combined Industrial VPN router and IoT edge gateway that is fully compatible with Schneider Electric PLCs and many more PLC brands. The IXrouter enables cloud connectivity to your PLC for remote programming, remote monitoring and remote troubleshooting. It also allows additional services like VNC and HTTP to access local web servers and control HMI panels.

Each IXrouter has four ethernet ports for connecting machines (PLCs and machine networks) and robots, and one WAN port to connect it to the internet. There are multiple versions of the IXrouter supporting additional ways to get internet access:

- Ethernet only
- Ethernet & 4G/LTE
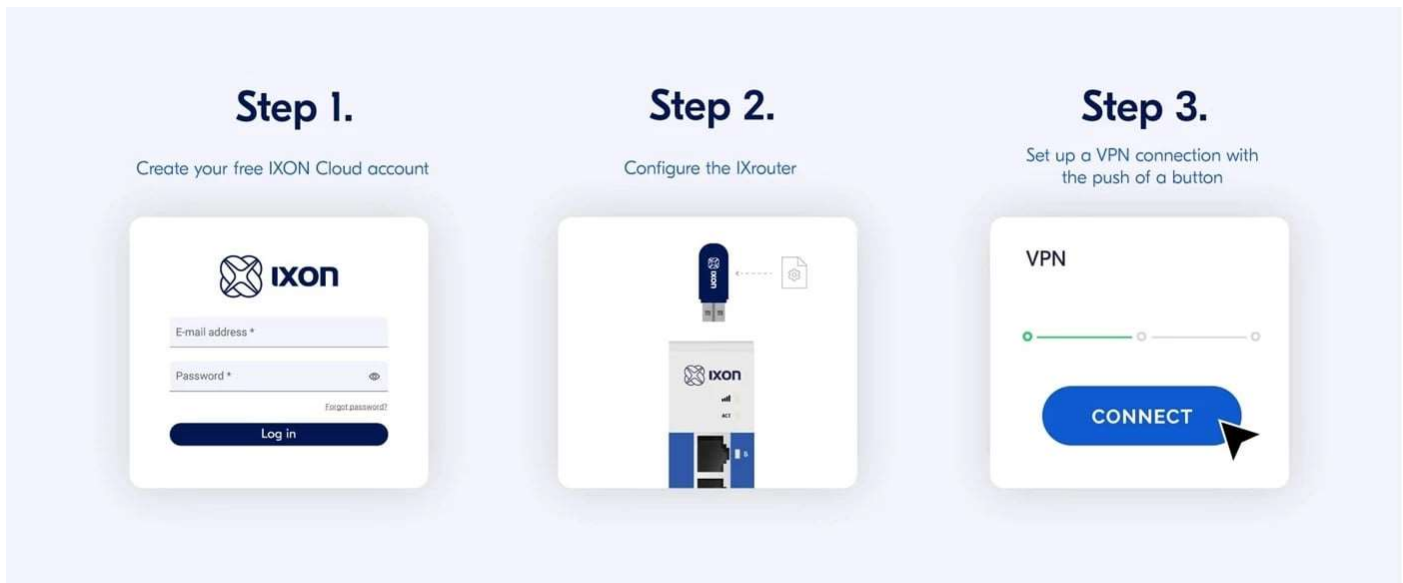- Ethernet & Wi-Fi
- Ethernet, 4G/LTE & Wi-Fi

It's ready to handle almost any conceivable situation. IXrouter models with Wi-Fi can simultaneously serve as a Wi-Fi client, where it connects to the internet via Wi-Fi, and as a WiFi hotspot. The Wi-Fi hotspot can be used to wirelessly access your PLC, HMI or other hardware on-site or allow them internet access.

Each IXrouter has the option to activate Cloud Logging and Cloud Notify. Simply choose a way to get internet access, connect your PLCs and you're all set.

How to connect a Schneider Electric PLC with IXON Cloud

Once you have the IXrouter, you can easily connect your Schneider Electric PLC to the IXON Cloud portal. Just follow 3 simple steps, and it's done in minutes thanks to the Plug & Play set up. Create an IXON Cloud account, configure the IXrouter and set up a secure VPN connection to connect your PLC to the IXON Cloud.

Once your IXrouter device is activated, you can log into your IXON Cloud account to set up a secure VPN connection to your Schneider Electric PLC. Choose the device you want to connect to and press the VPN button. Now, a secure VPN tunnel is created from your computer, via the IXON Cloud to your connected machine.

Step 1.
Create your free IXON Cloud account

Step 2.
Configure the IXrouter

Step 3.
Set up a VPN connection with the push of a button

Remote control of Schneider Electric HMI and other connected PLC equipment

With remote access to your Schneider Electric PLC you can monitor and manage what happens in your machine. To get the full picture of the machine status IXON Cloud offers additional access options. We support VNC and HTTP services. This means you can remotely view and control local web servers and HMI panels (e.g. the Harmony Series HMI) without needing a VPN client.

Remote monitoring Schneider Electric Harmony Series HMI via VNC

An HMI remote monitoring option is available using the VNC protocol. View, access and fully control your HMI screen remotely via your browser or mobile apps.

Remote access to Schneider Electric PLC web server

Connect your Schneider Electric PLC web server easily using the HTTPS protocol. Just configure the location of your web server and open it securely from anywhere.

How to extract data from Schneider Electric PLCs with IXON Cloud

Via the IXrouter you can log and store data from your PLC in IXON Cloud. This gives you the opportunity to visualise data and build real-time or historical dashboards. Result: easier failure analysis and opportunities to offer additional services.

The IXrouter supports several industrial protocols to automatically read data from Schneider Electric PLCs. Data can be transmitted to the IXON Cloud to make it available for data visualisation, data analysis, alarms, or integration with external platforms via the API:

Supported protocols for Schneider Electric PLC:

- Modbus
- OPC-UA (compatible devices)

With cloud data logging you can configure the data protocol and device address from your IXON Cloud account without any coding. Push the configuration settings to the IXrouter and it will automatically read the data and store it on the IXON Cloud.

Create a dashboard with Schneider Electric PLC data

Once your data is collected from your PLC and securely stored in IXON Cloud, you can use it to configure custom dashboards. With the drag & drop editor, you can add widgets and build multiple dashboards based on the collected data. Add a gauge, period, tables or graph widget to create a data report or live monitor for your machines. IXON's API makes it possible to combine PLC data with data from other sources.

Set up predictive maintenance alarms for Schneider Electric PLCs

To create and receive alarms from your machines you need to activate IXON's alarms & notifications in your account. Choose the variable, the priority, set the condition and instructions for the operator. Next, define who must receive a mobile push message or email when the alarm is triggered.

Discover IXON Cloud for remote access to your Schneider Electric PLCs

 Experience the ease of use of the IXON Cloud platform yourself through the interactive tour. Sign up to get access and browse around in our demo platform. Test our remote access tools and explore how to customise the platform to your specific needs. Free of obligation.