

Industrial networks: new generation of Siemens Industrial Ethernet Switches strengthens OT/IT collaboration

- **Scalance XC/XR-300 series with compact and 19-inch rack models**
- **Next-generation industrial networks connect OT and IT for more flexible and secure production**
- **New switches will support Time-Sensitive Networking**
- **Siemens is presenting the new series for the first time at this year's SPS trade fair from November 8 to 10, 2022 in Nuremberg**

The increasing networking of machines, controls and IT systems in industrial plants leads to increasingly complex networks at the production level. To ensure reliable data exchange, high-performance Industrial Ethernet Switches with a high number of ports and data bandwidths are required. To this end, Siemens has now renewed the Industrial Ethernet Switches of its Scalance XC-/XR-300 series and upgraded them with additional functions for next-generation industrial networks. So-called managed Layer 2 switches from the Scalance X Industrial Ethernet Switch product family are now available – both as compact models and as 19-inch variants for control cabinets. The new switches thus replace the portfolio of the current Scalance X-300 series and carry the model designation Scalance XC-/XCM-300 in the compact version and Scalance XR-/XRM-300 in the 19-inch version.

Future-proofing hardware in existing buildings via software update

The switches of the new Scalance XC-/XCM-300 and Scalance XR-/XRM-300 series have a high port density, which allows many devices to be connected within large network infrastructures. Thanks to their high-bandwidth ports (up to 10 Gbit/s), the new models also enable various OT network applications for data, voice, video and Profinet.

Industrial companies also benefit from a migration option to the new switch generation: This means that the changeover is possible for all models of the Scalance XC- or XR-300 series introduced from 2022 onwards with the long-standing operating system and Scalance XCM- or XRM-300 with the new operating system. The respective operating systems must be updated by software update. This means users don't have to replace devices to meet the latest requirements. In addition, software updates with the new operating system are to be implemented more quickly in the future.

Time-Sensitive Networking makes industrial networks more flexible and secure

"With the new Industrial Ethernet Switches from the Scalance X-300 series, users are making the networking of their industrial plants as future-proof as possible," says Jens Geider, Portfolio Owner for Scalance. In addition to the established basic functions, the models of the Scalance XCM-300 and Scalance XRM-300 series will in future feature technology innovations such as Time-Sensitive Networking (TSN), edge functionalities and seamless redundancy for increased real-time communication and safety. "The collaboration of OT and IT in industrial plants is progressing at all network levels. With the Industrial Ethernet Switches, OT networks are easily connected to IT and thus enable more flexible production", says Geider. Network security is also ensured by integrated security functions such as SSH and SSL protocols to protect against unauthorized network access and configurations.

Siemens is presenting the new Scalance XC-/XR-300 series for the first time at this year's SPS trade fair from November 8 to 10, 2022 in Nuremberg (Hall 11).



The new Industrial Ethernet Switches are available as 19-inch versions for network cabinets as well as compact models (left: Scalance XRM334, right: Scalance XCM332).

Further details on the new series of Industrial Ethernet switches can be found at:

<http://siemens.com/x-300>

This press release and further information about Siemens at the SPS can be found at:

www.siemens.com/press/sps22

Contact for journalists

Christoph Krösmann

Phone: +49 162 7436402; E-Mail: christoph.kroesmann@siemens.com

Follow us on our **social media channels**:

Twitter: [www.twitter.com/siemens_press](https://twitter.com/siemens_press) and [www.twitter.com/SiemensIndustry](https://twitter.com/SiemensIndustry)

Blog: <https://ingenuity.siemens.com>

Siemens Digital Industries (DI) is an innovation leader in automation and digitalization. Closely collaborating with partners and customers, DI drives the digital transformation in the process and discrete industries. With its Digital Enterprise portfolio, DI provides companies of all sizes with an end-to-end set of products, solutions and services to integrate and digitalize the entire value chain. Optimized for the specific needs of each industry, DI's unique portfolio supports customers to achieve greater productivity and flexibility. DI is constantly adding innovations to its portfolio to integrate cutting-edge future technologies. Siemens Digital Industries has its global headquarters in Nuremberg, Germany, and has around 72,000 employees internationally.

Siemens AG (Berlin and Munich) is a technology company focused on industry, infrastructure, transport, and healthcare. From more resource-efficient factories, resilient supply chains, and smarter buildings and grids, to cleaner and more comfortable transportation as well as advanced healthcare, the company creates technology with purpose adding real value for customers. By combining the real and the digital worlds, Siemens empowers its customers to transform their industries and markets, helping them to transform the everyday for billions of people. Siemens also owns a majority stake in the publicly listed company Siemens Healthineers, a globally leading medical technology provider shaping the future of healthcare. In addition, Siemens holds a minority stake in Siemens Energy, a global leader in the transmission and generation of electrical power. In fiscal 2021, which ended on September 30, 2021, the Siemens Group generated revenue of €62.3 billion and net income of €6.7 billion. As of September 30, 2021, the company had around 303,000 employees worldwide. Further information is available on the Internet at www.siemens.com.