SIEMENS

Desigo – standards and IT compliance to prepare you for the future

Intelligent building automation for the strictest requirements worldwide – supporting IPv6 and the latest Microsoft operating systems

www.siemens.com/desigo

New guidelines, communication standards and operating systems require action to be taken in building automation. Desigo is an intelligent building automation system that is fully prepared to meet the latest requirements and protects your investments over the long term.

The next step toward the future

Due to the rising need for addresses in devices that use Internet Protocol (IP) communications, such as sensors, smart phones, tablet PCs and servers, the number of available IPv4 addresses is close to running out. With only a few IPv4 addresses remaining worldwide, an IPv6 address will be required to reach many devices in the future. Migrating to IPv6 is therefore unavoidable. The German Federal Ministry of the Interior has already published an IPv6 migration guideline for public administrations.
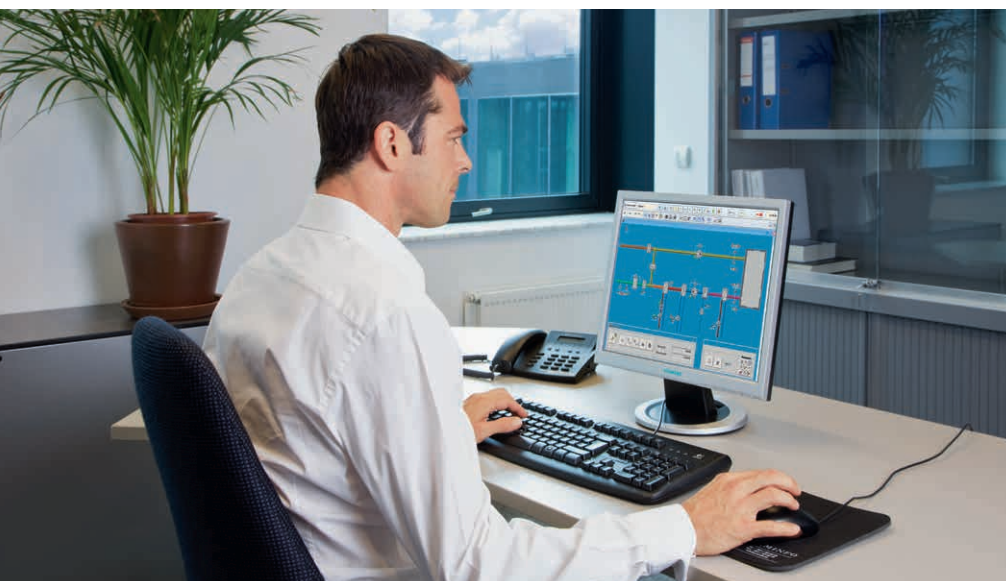
The Desigo™ building automation system gives you a head start since it is the first system to support IPv6 for data transmission. The Desigo PXG3.. router is the first BACnet/IPv6 device for exchanging data in building automation. This gets you ready for the future – even where your existing installations are concerned. By using the Desigo PXG3.. router, these installations can be upgraded to BACnet/IPv6 without any rewiring.

Broader IT compliance

The world of operating systems is in flux as well, with Microsoft®[1] discontinuing support for Microsoft Windows® XP (SP3) and Microsoft Office 2003 in 2014.

Desigo offers the most advanced IT support with real protection of your investments and high IT security. You receive a system that supports all of the latest Microsoft Windows operating systems. This means that the Desigo Insight management station also supports the latest business versions of the Microsoft client and the latest server operating systems (Windows 8 and 2012) as well as the 64-bit variants of Microsoft's SQL databases.

Answers for infrastructure and cities.

Desigo Insight – the first management station with the BACnet B-AWS profile

Compliance with the AMEV guidelines

Compliance with the new AMEV guide-lines[2] is now mandatory in Germany when bidding on public contracts and those from many major customers. These guidelines are also gaining importance in other countries. Desigo fully prepares you for the future and protects your investments over the long term in this area as well. The system already supports all profiles of the latest AMEV recommendations:
– MOU-A
– MOU-B
– AS-A
– AS-B

BACnet certificate

In addition to compliance with the AMEV guidelines, the Desigo building automation system also offers unique BACnet compatibility with support for the following profiles:
– B-AWS
– B-BC
– B-ASC

Management station with added value

Due to the AMEV profile MOU-B and the BACnet profile B-AWS of Desigo Insight, you can easily generate and delete objects via the management station – without the help of service technicians or engineering tools. External tests performed by independent test labs guarantee maximum reliability. In addition, Desigo Insight is the first management station that can not only use the new Microsoft Windows 8 operating system but also do so on the basis of the latest BACnet Protocol Revision 1.10.

Energy efficiency through standards

Standardization in building automation helps lower energy costs. Compliance with future-oriented AMEV recommendations and BACnet standards therefore ensures open communication and thus energy-saving and reliable plant operation.

Highlights

- Plant security and investment protection due to advanced IT support for the latest operating systems and future-proof HTML5 technology
- AMEV compatibility and the first BACnet/IPv6 implementation on the market prepares you for the future
- Energy-saving, reliable plant operation, based on the strictest standards

[1] Microsoft, Windows and Office are either trademarks or registered trademarks of Microsoft Corporation in the United States and/or other countries.

[2] "BACnet 2011" V1.1 guidelines of the Mechanical and Electrical Engineering Working Group (AMEV) of German National, Regional and Local Governments

The information in this document contains general descriptions of technical options available, which do not always have to be present in individual cases. The required features should therefore be specified in each individual case at the time of closing the contract.