DEOS.AG
Technology for intelligent buildings

OPEN.WRX AS BACnet/SC certified

The first controller worldwide with encrypted communication via BACnet

The new DEOS controller generation OPEN.WRX is the first controller worldwide in the industry to be BACnet/SC certified. This means that encrypted communication via BACnet is possible.

BACnet/SC marks the beginning of a new era in modern IT infrastructure. As a result, it is finally possible to encrypt the approximately 25 million BACnet devices installed worldwide thanks to 100 % compatibility with the already existing BACnet IP or BACnet MS/TP networks. Complex BBMD configurations, static IP addresses or unencrypted telegrams are now a thing of the past. With BACnet/SC, segments, networks, buildings or even entire properties can be easily interconnected.

Designed to be compatible with the B-SCHUB profile

The DEOS team of experts is proud to be pioneers and to offer the first controller worldwide with a BACnet/SC certification. For DEOS, the focus has always been on standardised networking via BACnet, which simultaneously offers a high level of interoperability. We have therefore implemented the entire range of BACnet/SC functions including:

- node connections
- and hub functionalities.

Hub functionality is also ensured through compatibility of OPEN.WRX AS with the new BACnet profile BACnet Secure Connect Hub (B-SCHUB).

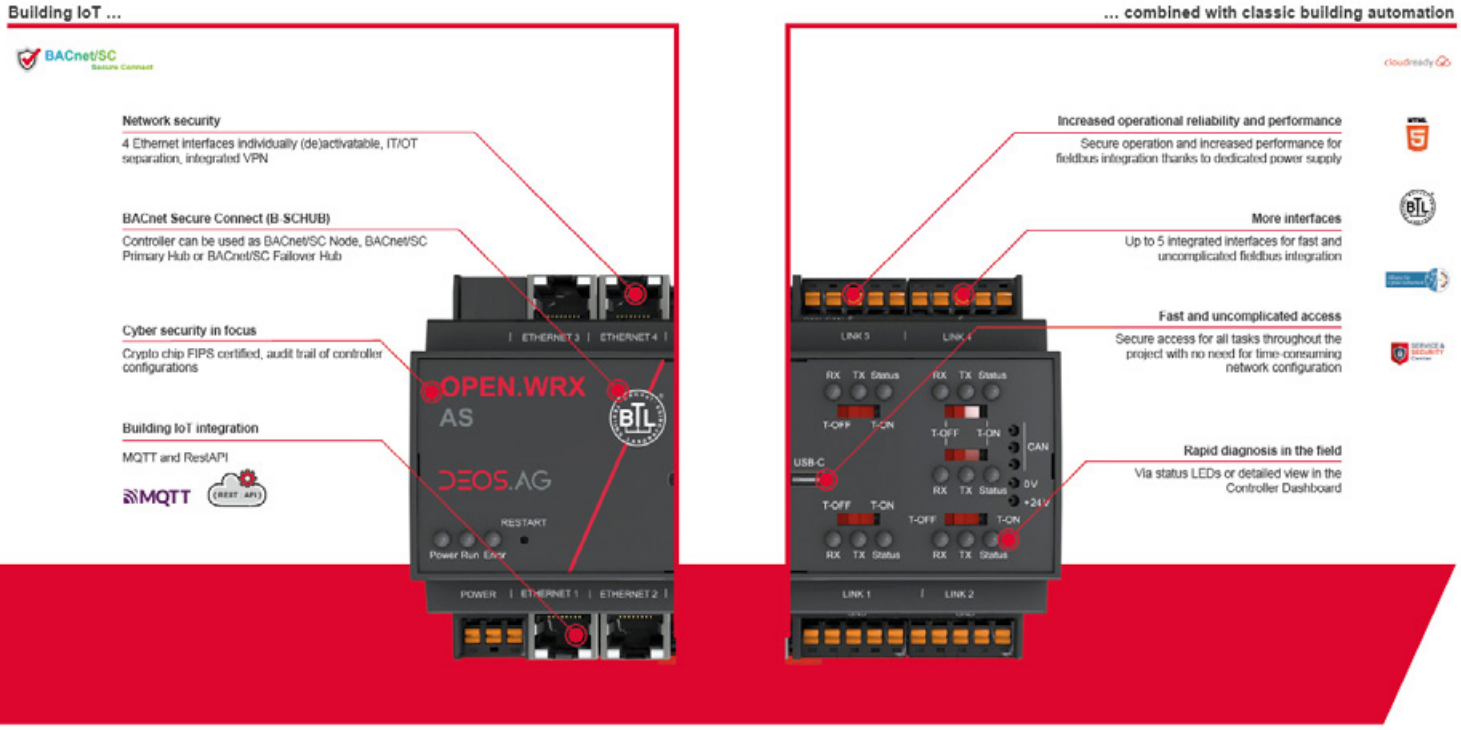
Working further towards the future

Our web-based building management system (BMS) OPEN*web* is also on its way to BACnet/SC certification. Here, too, we will implement the full range of functions in order to offer our partners the greatest possible flexibility.

Features of the BACnet/SC certification

5 BACnet/SC functions bundled in one device

- **Can be used as a node**
  OPEN.WRX AS can be used as a simple BACnet/SC participant in a BACnet/SC network, allowing seamless insertion into an existing BACnet/SC network.
- **Can be used as a primary hub**
  The primary hub is the device in the BACnet/SC network that manages the communication in the network between all BACnet/SC participants. Within each BACnet/SC network, there must be exactly one primary hub.
- **Can be used as a failover hub**
  The failover hub is the device in the BACnet/SC network that automatically takes over the management of communication in the network if the primary hub fails. In BACnet/SC networks, failover security can be increased in this way. The use of a failover hub is optional in BACnet/SC networks.
- **Can be used as router between BACnet IP networks and BACnet/SC networks**
  The programming of the BACnet server and BACnet client connections is carried out as before. By using OPEN.WRX AS, routing into a BACnet/SC network is done with one click: only BACnet/SC has to be activated on the OPEN.WRX AS. Thanks to the 4 integrated Ethernet interfaces in particular, the OPEN.WRX AS offers even greater flexibility for networking BACnet IP devices.
- **Can be used as a router between BACnet MS/TP networks and BACnet/SC networks**
  The programming of BACnet client connections is carried out as before. By using OPEN.WRX AS, routing into a BACnet/SC network is done with one click: only BACnet/SC has to be activated on the OPEN.WRX AS. With up to 3 integrated RS485 interfaces, OPEN.WRX AS offers even greater flexibility for connecting BACnet MS/TP devices.



- OPEN.WRX as new OPEN series ready for future Building IoT applications
- Migration of projects from OPEN EMS series possible
- Programmable with OPEN FXL 4 and compatible from OPENweb 10
- Compatible with DEOS libraries

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