

Leistungsmerkmale

- ◆ Supports LWEB-800 (Visualization) and LWEB-801 (Data Logger)
- ◆ Hosts customized pages with dynamic content
- ◆ Supports Alarming, Scheduling, and Trending (AST™) locally and by referring to remote BACnet trendlog, schedule, and notification objects
- ◆ Event-driven e-mail notification
- ◆ Embedded OPC XML-DA server fully compliant with the OPC XML-DA standard
- ◆ Fully compliant with ANSI/ASHRAE-135-2004 and ISO 16484-5 standard
- ◆ Supports Unicode for IEC 61131-3 project documentation
- ◆ Provides access to BACnet objects using OPC Web Services / .NET
- ◆ Supports BACnet client functions (Write Property, Read Property, COV Subscription)
- ◆ Supports BACnet/IP or BACnet MS/TP
- ◆ Supports B-AAC (additionally COV, Trending)
- ◆ Data point configuration with enclosed configuration tool
- ◆ BACnet client configuration with configuration tool (scan and EDE import)
- ◆ Build-in Web server for device configuration and data monitoring
- ◆ NTP support for time synchronization
- ◆ M-Bus Master according to EN 13757-3
- ◆ Modbus TCP Master (LINX-200 is able to handle Modbus RTU Master too, if BACnet MS/TP is not used)
- ◆ Embedded router between BACnet/IP and BACnet MS/TP (only with LINX-201)
- ◆ Up to 1,000 OPC data points
- ◆ Up to 750 BACnet server objects
- ◆ RTC support
- ◆ Status and activity LED (BACnet/IP and BACnet MS/TP)
- ◆ Network diagnostic LEDs
- ◆ Ethernet link and activity LED
- ◆ Firmware update via Ethernet or serial port
- ◆ Supply voltage: 12-35VDC or 12-24VAC, power consumption typical 3W
- ◆ 105 x 86 x 60 (L x W x H in mm) i.e. 6 TE
- ◆ DIN rail mountable

Description

The powerful Automation Servers LINX-200 and LINX-201 implement state-of-the-art connectivity functions for integrating BACnet® networks, featuring an embedded visualization



to host customized pages with dynamic content. These pages are accessed by the L-WEB application (.NET). It runs on Windows PCs and Windows Mobile handhelds. The graphical user interface LWEB-800 uses standard Web technologies to visualize and control data in dynamic pages by one or multiple Automation Servers.

The configuration tool supplied with LINX-200 and LINX-201 simplifies creating menu layouts and graphical pages with pre-defined functions and the use of customized images (JPG, BMP, TIF, and animated GIF). Dynamic information is shown as numeric values, changing icons, bar graphs, or text.

Also supported are automation functions such as Alarming, Scheduling, and Trending. Access to these automation functions is possible via L-WEB or a build-in web server using a standard browser.

Schedulers can be configured from remote using the configuration tool, the web interface, or by downloading an XML file onto the device. Alarming includes functionality to generate, deliver, acknowledge and display alarm conditions. Logged data is available through CSV file export for third party applications. In addition, event-driven e-mail notification is supported.

Thus, a user will immediately be informed about new situations within the network, like operating conditions or violations of limits.

Order Number	Configuration
LINX-200	1 x Ethernet 1 x EIA-485 (RS-485) for BACnet MS/TP or Modbus RTU
LINX-201	1 x Ethernet 1 x EIA-485 (RS-485) for BACnet MS/TP incl. Router (BACnet/IP – MS/TP)
LOPC-BR800	OPC Bridge for LINX-200/201 OPC XML-DA to OPC DA

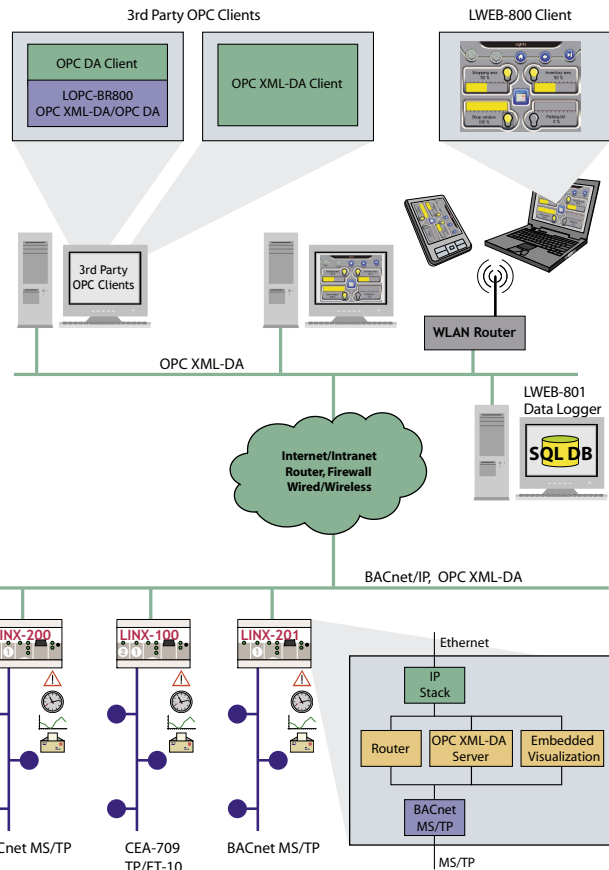
LINX-200/201 features an embedded OPC server according to the OPC XML-DA standard. It implements access to BACnet objects through the use of Web services and seamlessly integrates into systems connected via the Intranet or Internet. An OPC Bridge (LOPC-BR800) is available for OPC clients supporting OPCDA (COM/DCOM) only.

Communication

LINX-200 and LINX-201 represent BACnet Advanced Application Controllers (B-AAC). LINX-200 supports either a BACnet/IP or BACnet MS/TP channel (configurable). Additionally, LINX-201 implements a full featured router between BACnet/IP and BACnet MS/TP. Thus, it can operate on both channels simultaneously. BACnet server objects are accessible from the BACnet network via the used channel. In addition, LINX-200/201 also includes client functions. For each server object a "client mapping" can be defined.

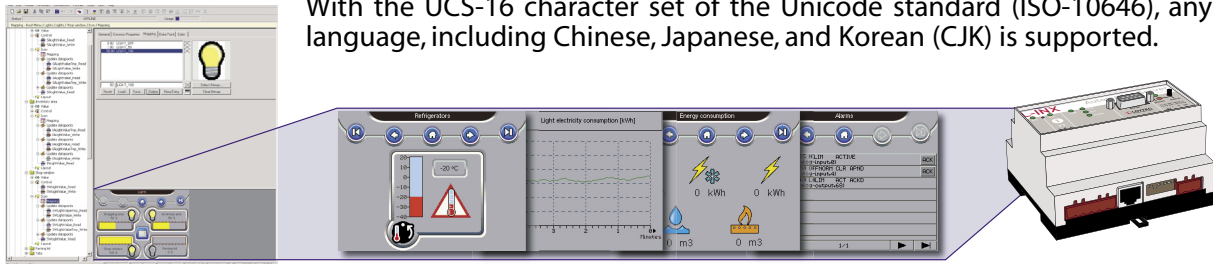
LINX-200 and LINX-201 offer an integration of M-Bus devices according to EN 13757-3. This way, a fully featured M-Bus Master is implemented. In addition, an optional M-Bus converter (RS-232 to M-Bus) must be connected to the Automation Server.

The integration of Modbus devices is possible too. A Modbus TCP Master (Ethernet) is implemented for that purpose. With the LINX-200, a Modbus RTU Master can be used via the EIA-485 (RS-485) terminal instead of the BACnet MS/TP channel.



Fast and easy configuration

The configuration tool supplied with the unit guarantees straightforward configuration. An object oriented configuration of the graphical interface and pre-defined functions simplify creating easy-to-use menu layouts and graphical pages. The copy-and-paste function allows reusing already created elements and the WYSIWYG preview helps reducing engineering efforts. With the UCS-16 character set of the Unicode standard (ISO-10646), any language, including Chinese, Japanese, and Korean (CJK) is supported.



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