

### Features

- ◆ Supports LWEB-800 (Visualization) and LWEB-801 (Data Logger)
- ◆ Hosts customized pages with dynamic content
- ◆ Supports Alarming, Scheduling, and Trending (AST™)
- ◆ Event-driven e-mail notification
- ◆ Embedded OPC XML-DA server fully compliant with the OPC XML-DA standard
- ◆ Fully compliant with CEA-709, CEA-852, and EN 14908 standard
- ◆ Supports ASCII, 8859-1, UCS-16 (Unicode) character sets
- ◆ Provides access to CEA-709 data points using OPC Web services / .NET
- ◆ Supports TP/FT-10 or IP-852 (CEA-852, Ethernet) channel (configurable)
- ◆ Supports dynamic and static NVs
- ◆ Supports User Defined NVs (UNVTs) as well as Configuration Properties (SCPTs, UCPTs)
- ◆ Data point configuration with enclosed configuration tool
- ◆ Remote LPA support with LPA-IP
- ◆ 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 and Modbus RTU Master
- ◆ Embedded router between IP-852 and TP/FT-10 (LINX-101 only)
- ◆ Network statistics information accessible through OPC data points
- ◆ Up to 1,000 OPC data points
- ◆ RTC support
- ◆ Status and activity LED (CEA-709 / CEA-852)
- ◆ OPC status and activity LED
- ◆ Network diagnostic LEDs
- ◆ Ethernet link and activity LED
- ◆ Firmware update via Ethernet, serial port, or CEA-709 channel
- ◆ Supply voltage: 12-35 VDC or 12-24 VAC, 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-100 (incl. Remote Network Interface) and LINX-101 (incl. Router) implement state-of-the-art connectivity functions for integrating LonMark® systems, featuring an embedded visualization to host customized pages with dynamic content.



Customized pages with dynamic content are accessed by the L-WEB application (.NET application). 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-100 and LINX-101 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-100	1 x Ethernet 1 x TP/FT-10 1 x EIA-485 (RS-485) Modbus RTU incl. Remote Network Interface
LINX-101	1 x Ethernet 1 x TP/FT-10 1 x EIA-485 (RS-485) Modbus RTU incl. Router (IP-852 to TP/FT-10)
LOPC-BR800	OPC Bridge for LINX-100/101 OPC XML-DA to OPC DA

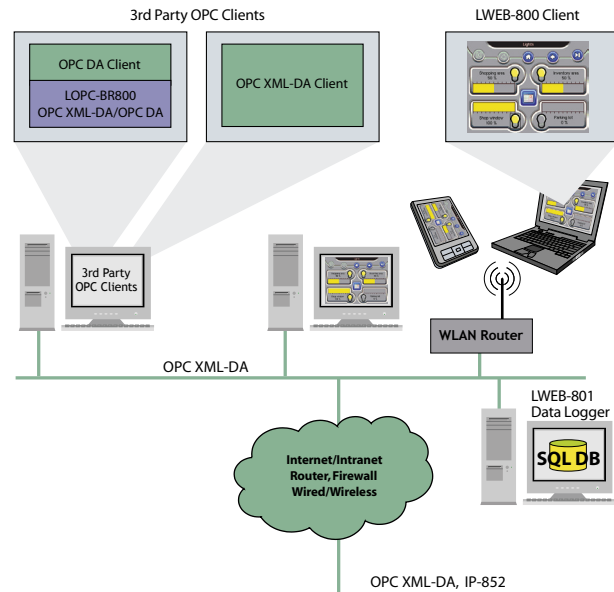
LINX-100/101 features an embedded OPC server according to the OPC XML-DA standard. It implements access to NVs through the use of Web services and seamlessly integrates into systems connected via the Intranet or Internet. An OPC Bridge (LOPC-BR800) is available for OPC clients supporting OPC DA (COM/DCOM) only.

### Communication

LINX-100 can be connected either to a LonMark TP/FT-10 or IP-852 channel (configurable). Additionally, LINX-100 implements a full featured Remote Network Interface (RNI) function with 2 MNI devices. LINX-101 offers the same, but instead of the RNI function, it supports a full featured router between IP-852 and TP/FT-10 channel. Thus, it can operate on both channels simultaneously. Both static and dynamic Standard Network Variables (SNVTs) as well as User Defined Network Variables (UNVTs) and Configuration Properties (SCPTs, UCPTs) are supported. The configuration tool allows reading UNVTs from a device resource file and accessing Configuration Properties via LonMark file transfer.

LINX-100 and LINX-101 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. There is a ModbusTCP Master (Ethernet) and a ModbusRTU Master available at the EIA-485 (RS-485) terminal.

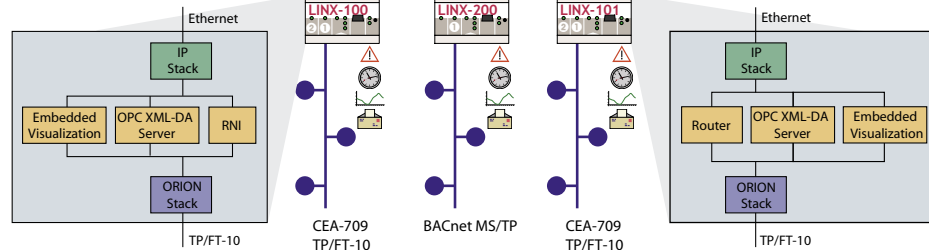


M-Bus

Modbus RTU  
Modbus TCP

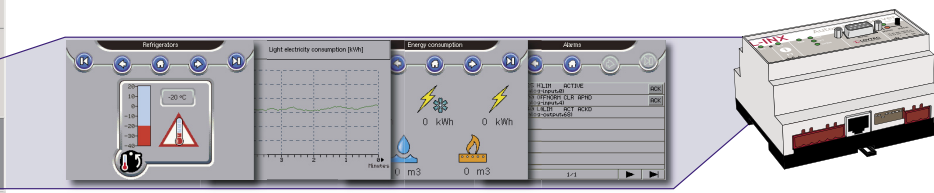
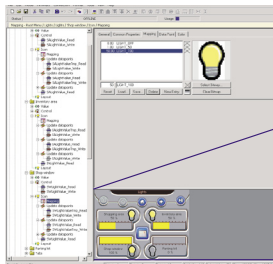


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### Fast and easy configuration

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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