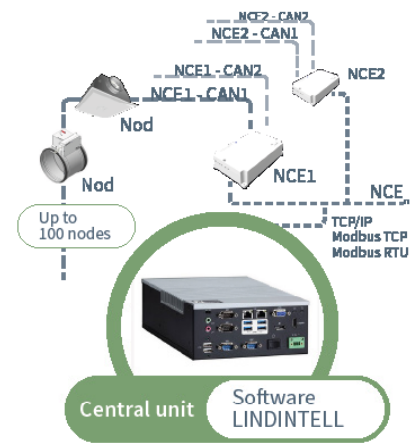


Product Description

LINDINTELL SYSTEM SOFTWARE

INTRODUCTION

LINDINTELL is the software package installed on Lindinvent's central unit to coordinate optimization and monitoring functions within a superior system for comfort and sustainable energy use in a building.



FUNCTION

Through Lindinvent's central unit with the LINDINTELL software, current and logged values for the entire set of operational data are made available. Data is retrieved from all connected local networks (CAN loops) of controllers. Buildings can be quickly and efficiently optimized from an energy perspective while meeting indoor climate requirements.

LINDINTELL includes several functions:

- Pressure optimization
- Supply air temperature optimization
- Night cooling
- Fire functions
- General Modbus-Master
- Modbus bridge
- Remote control of individual units
- Troubleshooting tools
- Settings copier
- Aggregated values
- Pre-programmable scripts
- Database management for Lindinvent's API
- System configuration

SYSTEM CONFIGURATION

A system with LINDINTELL allows for a network structure with an unlimited number of nodes. The basis is wired network communication (CAN) between cooperating nodes, forming a CAN loop. Each individual CAN loop is connected to the superior system via Gateway NCE, with up to two CAN loops per Gateway NCE.

A system configuration with LINDINTELL enables the use of the web-based tool LINDINSPECT, as described separately.

SELECTION OF CENTRAL UNIT

Hardware Options:

- Smaller systems (1-1000 nodes): Embedded
- Larger systems (1000 nodes and up): Rack

A potential virtual central unit is provided by the customer.

TECHNICAL SPECIFICATIONS (CENTRAL UNIT)

Example of Smaller Systems (1-1000 nodes)
Ebox640-500 (Embedded, fanless, SATA)

Dimension

182 x 236 x 82 mm (88 mm with mounting plate)
(LxWxH)

(See Ebox640 dimensions on the next page)

Weight

Net weight 3.2 kg

Power

Max 80 W

CE Marking: Complies with EMC and low voltage directive

Installation

Wall: Ebox640-500: 2 mounting plates included.

DIN rail: A kit for mounting on DIN rail is available as an accessory.

Example of Larger Systems
(over 1000 nodes)

Rack-mounted central unit with fan and SSD
(See image on the next page)

Dimensions

437 x 290 x 43 mm (LxWxH without cables)

Weight

Net weight 4.6 kg

Power

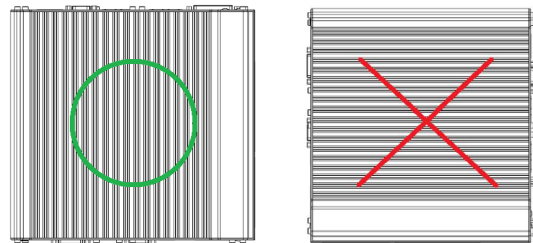
200 W

CE Marking: Complies with EMC and low voltage directive

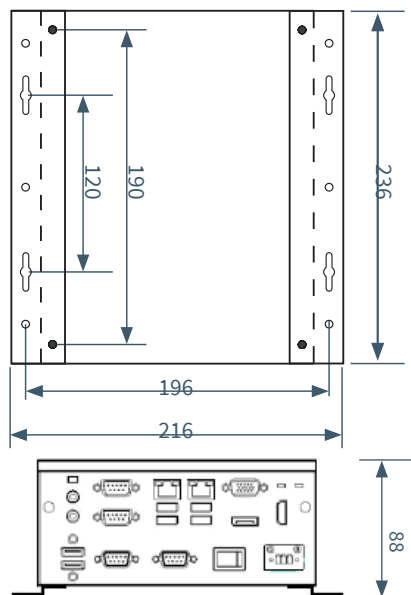
EXAMPLE CENTRAL UNIT FOR SMALLER SYSTEMS



Ebox640-500-FL for systems with up to 1000 nodes.



Proper and improper orientation of heatsinks after wall mounting.



Dimensions in mm:
Ebox640-500-FL
with mounted
plates.

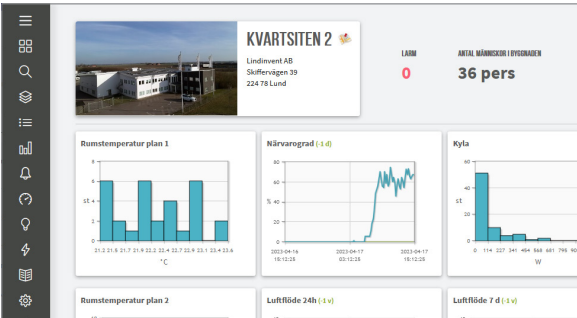
EXAMPLE CENTRAL UNIT FOR LARGER SYSTEMS



Example server for large systems; rack-mounted.

VISUALIZATION TOOL LINDINSPECT®

LINDINSPECT® is a web-based tool included in the LINDINTELL system software. The tool provides users with a structured environment for visualization, analysis, and administration of everything from controllers to supplementary systems for comfort and sustainable energy use in the building.



From the homepage in LINDINSPECT®, where equipment in the building is visualized and managed.

SUPPLEMENTARY PRODUCT DOCUMENTATION

Documents are available on the product page for LINDINTELL at www.lindinvent.com

Document	Comment
Installation Instructions	Project-specific. The mounting direction of heatsinks and dimensions for the Ebox640-500-FL model are shown in the illustrations above.
Commissioning Instructions	Project-specific.
Modbus List	Available for download via the product's homepage.
AMA Text	Available for download via the product's homepage.