

Product description

LINDINTELL – System software

Introduction LINDINTELL

LINDINTELL is a software package that is installed on a central server and which in a coordinated manner takes over all optimisation functions in the system construction of controllers and other control units.

Function

A system based on LINDINTELL makes it possible:

- to configure a network construction with an unlimited number of nodes.
- to use web tool LINDINSPECT.
- to administer and optimise the system centrally from the server on which LINDINTELL has been installed.

Via LINDINTELL and a server interface, you have access to the air flow, room temperatures, opening levels, supply air temperature etc. From an energy point of view, and while respecting indoor climate requirements, you can optimise an entire facility.

LINDINTELL has a number of functions:

- pressure optimisation
- supply air temperature optimisation
- night-time cooling
- fire safety functions
- general Modbus master
- Modbus bridge
- remote control
- troubleshooting tool
- settings copy tool
- aggregated values
- script for customer adaptation

System build-up

LINDINTELL takes over the role as a joint Mini-DUC for all network modules included. Nodes are connected via Node Id to build-up a communication loop (CAN) for access to and communication with other concurrent nodes. The communication loop is in connection with the central server via gateway NCE. See the system sketch below.

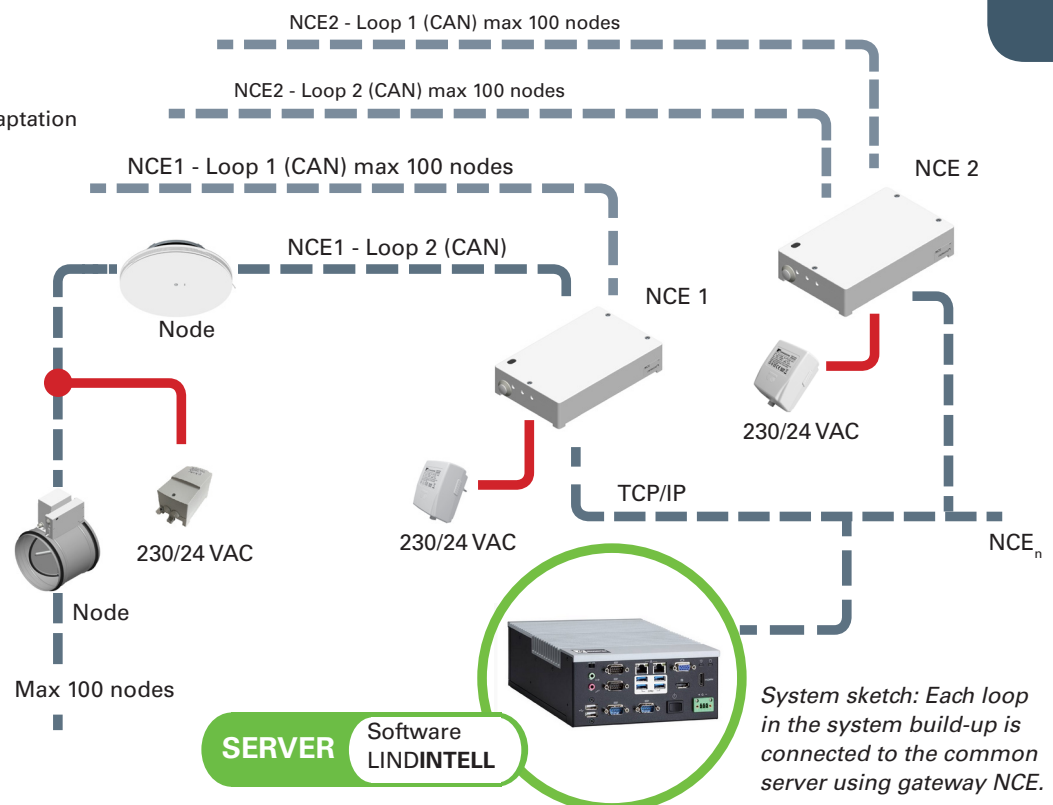
User interface/Communication

- Lindinvent's in-house developed web interface LINDINSPECT
- Direct access via the server interface installed on the server with LINDINTELL

LINDINTELL is a central part of the web tool LINDINSPECT.

Server solutions

- Hardware alternative:
 - Smaller systems (1-1000 nodes) Embedded
 - Large systems (>1000 nodes) Rack
 - Virtual server (Generally provided by the customer)
- See page 2 for server specifications.



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Technical specification

Smaller systems (1-1000 nodes)
 Embedded, fanless, SATA

Server: Ebox640-500

Dimensions
 182x236x82(88) mm (LxWxH)

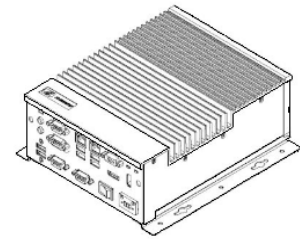
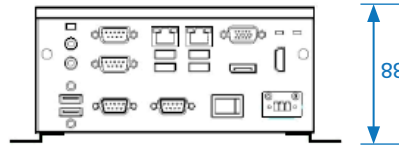
Weight
 Net weight 3.2 kg

Output
 80 W

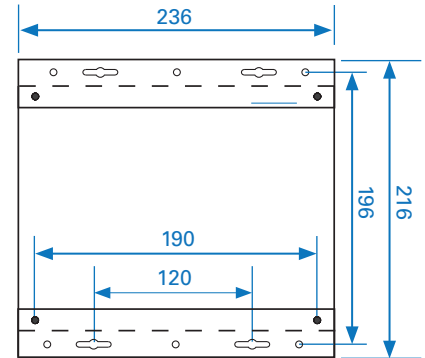
Installation

Wall: Ebox640-500: Mounting brackets are included.
DIN rail: A special DIN rail kit has to be ordered separately.

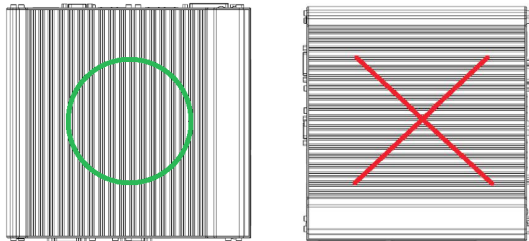
Orientation of cooling fins
 Ensure that cooling fins are mounted vertically.



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



Dimensions for Ebox640-500-FL with mounting brackets.



Correct versus wrong direction of cooling fins after mounting.

Larger systems (>1000 nodes)

Rack-mounted, fan, SSD

Dimensions
 437 x 290 x 43 mm (LxWxH)
 (without cables)

Weight
 Net weight 4.6 kg

Output
 200 W



Additional product documentation LINDINTELL

Table 1: Additional documentation for LINDINTELL can be obtained via links under "Products" at www.lindinvent.se

Document	Available	Not available	Comments
Installation Instruction		●	Project specific
Start-up instruction		●	Project specific
Maintenance instruction		●	Not relevant
External connection diagram		●	Not relevant
Environmental product declaration		●	Not relevant
User information		●	Project specific
Modbus list	●		
AMA text	●		

Product documentation can be downloaded via www.lindinvent.se/produkter/



Contact

www.lindinvent.se
 Tel: 046-15 85 50

Lindinvent – Smarter indoor climate. Greener buildings.

The company offers products and systems for controlling ventilation, lighting, solar shading and local utilization. Equipment and climate solutions are being developed for offices, schools, hospitals, laboratories and similar working environments. Lindinvent's systems work together to provide high indoor comfort and the lowest possible energy use.