Product description

LINDINTELL – System software

Introduction

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. LINDINTELL is used as a coordinating interface with Lindinvent's system for demand-adapted climate control and protective ventilation.

Systems using LINDINTELL make it possible:

- to configure a network construction with an unlimited number of nodes.
- to use the LINDINSPECT web tool.
- 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
- setting copy tool
- aggregated values
- script for customer adaptation

Function

LINDINTELL takes over the role as a joint Mini-DUC for all network modules included. Every network module is constructed around a CMA which in system solutions with LINDINTELL is only included as a communication bridge according to the system description on page 2.

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 webtool LINDINSPECT.

Server solutions

The technical solution for a specific system based on LINDINTELL is designed in consultation with the customer.

- Virtual server (Generally provided by the customer)
- Hardware alternative:
  Small system (1-200 nodes) Embedded
  Small system (1-200 nodes) Rack
  Larger system (201-1000 nodes) Embedded
  Large system (201 nodes and above) Rack

For a selection of technical specifications for server hardware, see page 2.

Sever for system with 201-1000 nodes; Embedded.

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Technical specifications (A selection of the server hardware provided via Lindinvent)

Technical specifications, server hardware

The following server alternatives can be provided:

Small system (Fanless, embedded, 1-200 nodes)

Dimensions
229 x 132 x 64 mm (LxBxH)

Weight
Net weight 2.1 kg

Output
22 W

Larger system (Fanless, embedded, 200-1000 nodes)

Dimensions
310 x 200 x 62 mm (LxBxH)

Weight
Net weight 3.8 kg

Output
75 W

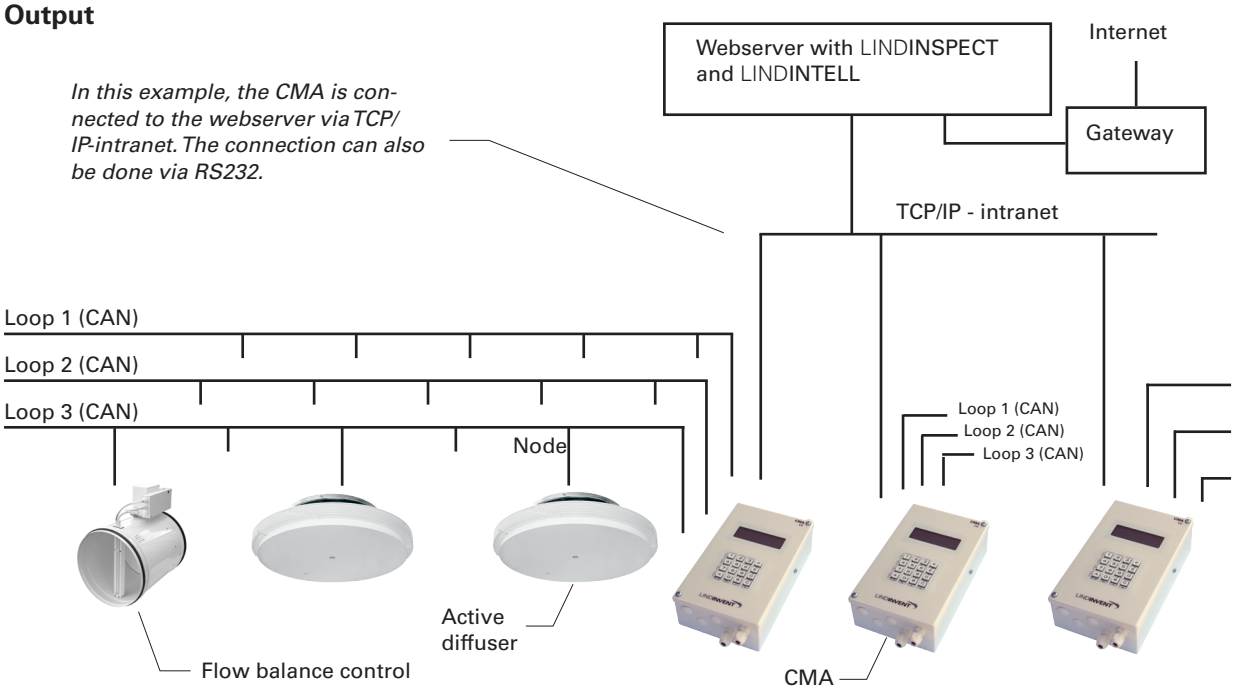
Large system (Chassis/Rack, over 1000 nodes)

Dimensions
437 x 287 x 43 mm (LxBxH)

Weight
4.6 kg

Output
65 W

Server for large system; Chassis/Rack.



Example of systems with LINDINTELL: A system with network modules where every module is constructed around a CMA with loops 1-3 connected. Every CMA functions as a bridge in the communication with connected joint servers. The user interface for each CMA included is replaced by the LINDINSPECT central coordinating interface.