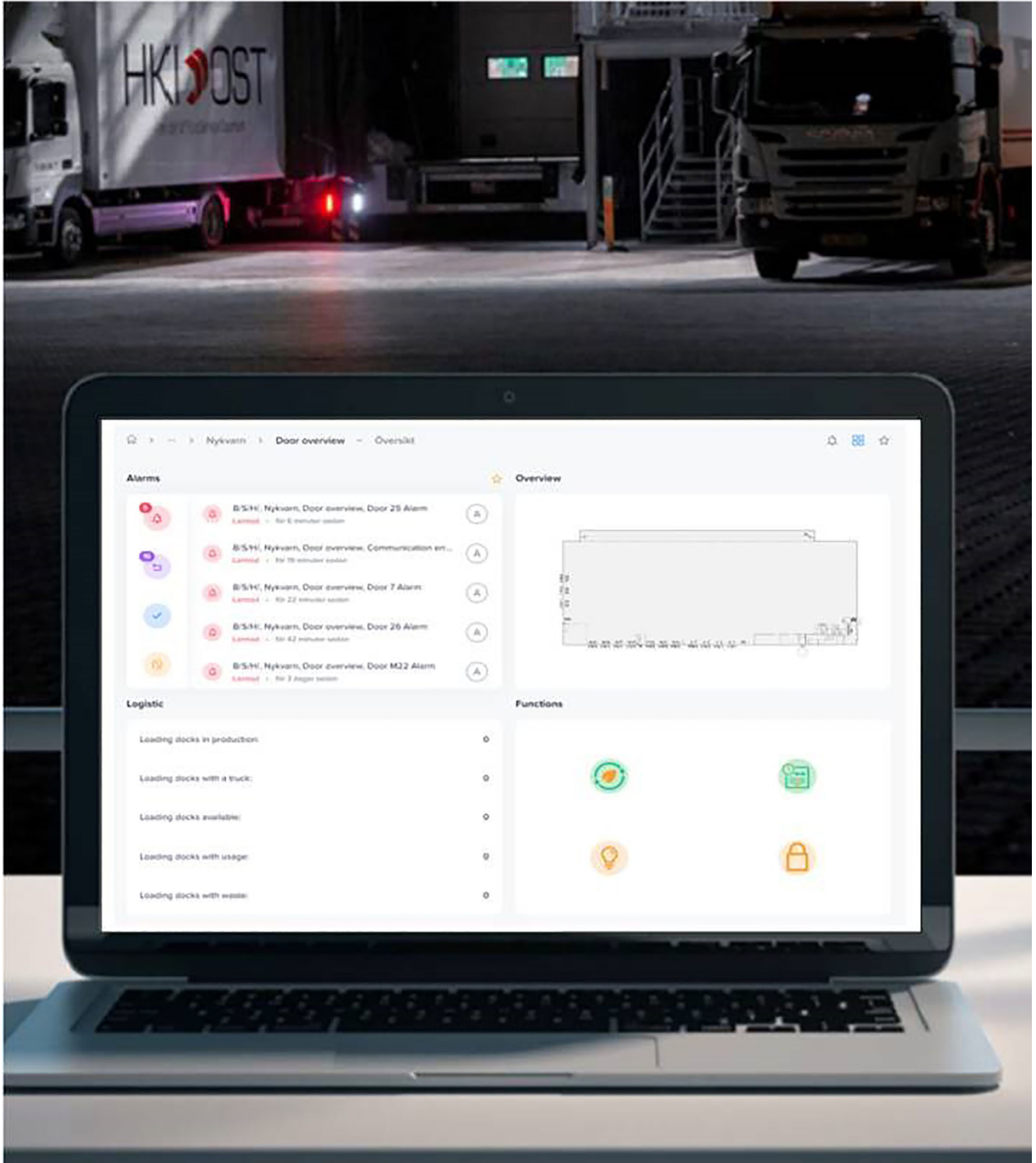# Product datasheet
Docking Management System
ASSA ABLOY DMS

ASSA ABLOY
Entrance Systems

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and more open world

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Technical facts

Technical data	
User interface	Dashboard / Cockpit
Devices that can be connected	PC, Laptop, Tablet, Mobile Phone
Connected loading bays per cable line	40 pcs
Max number of lines	unlimited
Max number of loading bays	unlimited
Number of Users	unlimited
Application	Cloud based
Network	LAN cable based
Interface	RS485
Hardware requirements	Dedicated network connection
Software requirements	HTML5 based web browser
Ethernet cable specification	Cat 6
TCP port	26486
Power supply for gateway	230V AC, single phase, 50/60Hz, 10A

Requirements

The following conditions apply for full functionality of the DMS docking management system

- Compatible docking control box (950D)
- Dedicated wired network in the facility
- Physical location of the DMS control box in the facility

Remark:

DMS can be offered with limited functionality if the docking control boxes are not compatible.

Contents

1. Description

DMS gives you full control over your logistics facility – in real time

The ASSA ABLOY DMS docking management system is a digital logistic platform that provides full control of your logistics facility in real time. To enable the data collection from the loading operations, all loading bays are connected to the server of the Docking Management System giving you the opportunity to monitor and report on a wide variety of aspects in your facility. The result is an effective control system for improvements in energy efficiency as well as the internal planning and production.

A good way to increase throughput and thereby efficiency is to reduce the amount of time when no truck – or the wrong truck – is at the loading bay. The ASSA ABLOY DMS docking management system can tell you which loading bays are occupied or free, and you can assign a shipment to a specific loading bay. The system log all operational steps and the statistics provide detailed information that you can use to optimize your business and secure the future. For superior safety and security, optionally it is possible to have remote control of opening and closing or locking and unlocking of the doors.

1.1 Advantages

Maximum utilization of your loading bays

- Increase the efficiency of the logistic facility by reducing the time of no truck / or the wrong truck parking in front of the loading bay
- Analyze and act on the key Performance Data that you determine.

Energy saving for the environment and for the staff

- Save money and energy by ensuring you work environmentally efficient with your loading bays.
- With the docking management system, you make sure your doors only open when really needed.

Eliminate theft and unauthorized persons in the facility

- Feel safe with a digital receipt that tells you that the doors really are closed or locked.
- Remote control of opening and closing or locking and unlocking of doors.

Avoid downtime and interruptions

- Keeps track of service intervals by automatically creating dates when they were performed and storing statistics on the number of door openings since the last service performed.

1.2 System overview
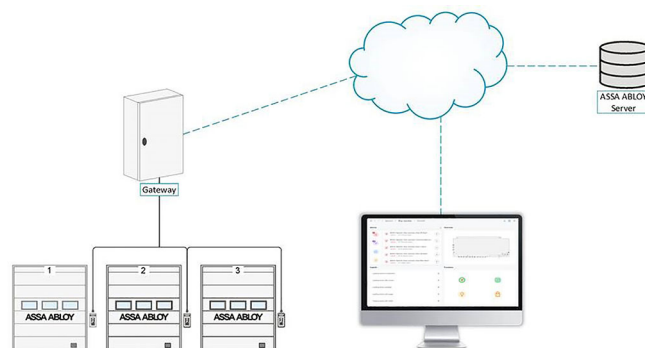
2. Standard

The cockpit of the ASSA ABLOY DMS docking management system displays key information about the loading and unloading activity in the facility and allows the user to interact with the system. The output includes data about the condition of each individual loading bay equipment with alarms, error codes, events, and event history. The system keeps track of service intervals by automatically creating dates when service was performed and storing statistics on the number of door openings since the last service performed. The digital platform uses widgets (condensed information such as icons, buttons, or indication bars) to provide quick access to features and an overview of the facility. The user can configure his own page of favorite widgets based on one or multiple logistic sites. The system includes an overview, monitoring functions, alarm, and service widgets.
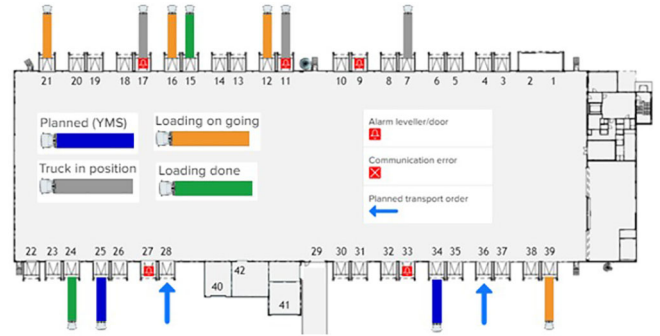
2.1 Overview

A quick overview of the loading bays indicating where the trucks are in position at the facility.
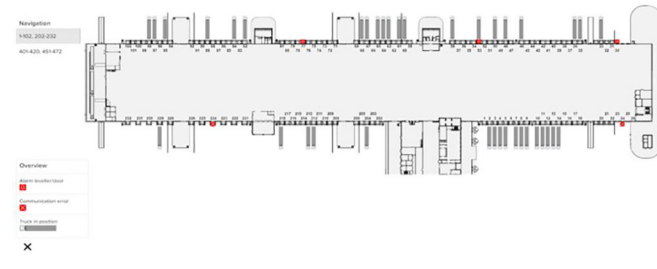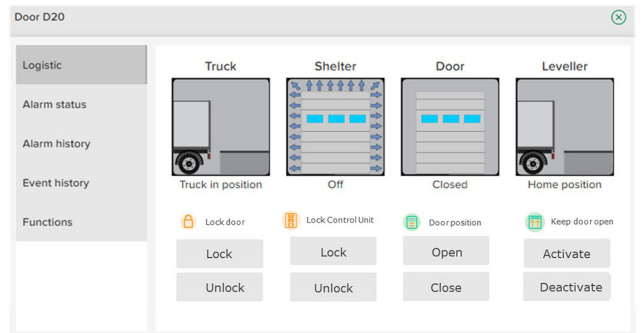

2.2 Monitoring

Detailed status of the loading bay equipment; door opened / closed, position of dock leveler and dock shelter (only inflatable), alarms, error codes.

Detailed loading bay information

3. Functions

From the cockpit, the user can turn ON/OFF various functions for each individual loading bay:

- Reservation
  Activating the Reservation function, the loading bay becomes reserved in the Cockpit view. An additional reservation light can be installed next to the physical loading bay.

- Lock the control box
  Blocking the usage of an individual loading bay to avoid unintended activity.

- Energy saving mode
  When this is ON, the operator can only open the door when there is a truck in place in front of the loading bay.

- Auto closing function ON/OFF
  With this function ON, the door closes automatically after a set time (1-10 minutes) of inactivity of the loading process (requires additional safety photo cells in the door opening).

- Keep door open
  This function makes the door stay open, and closing the door is only possible again after deactivation.

3.1   Alarm

Details about each individual alarm as live or historic data. The user can sort the alarms based on priority, date, or status, and proposed countermeasures. Comments can be added to each alarm.

3.2   Service

When a service technician checks out after servicing the loading bay equipment, DMS automatically detects the data from the inspection. In the cockpit, there is a list showing the date of the latest service and number of cycles since the last service.

3.3   Option

To increase the safety and security, the following activation buttons can be added to the functions widget:

- Open / close door remote
  The open and close functionality allows for remote opening and closing the door of the loading bay. For regulatory and safety reasons, this function requires additional safety photocells in the door opening.

- Lock / unlock door remote
  The lock and unlock functionality allows for remote locking and unlocking the door of the loading bay. The user can do this to one door or all doors simultaneously. This function requires that the doors are equipped with an electrical lock.

4. Service you can rely on

Gold

The ultimate protection

With full coverage, Gold Service enables you to plan and budget your expenses annually.

- Spare parts for emergency calls
- Labor and travel costs for emergency calls
- Replacement of components according to preventive maintenance schedule and to fulfill legislative and safety requirements

Silver

Added advantages

With cover for all service calls during business hours, Silver Service offers you peace of mind.

- Labor and travel costs for emergency calls
- Preventive maintenance

Bronze

Scheduled Service

With scheduled on site visits, Bronze Service means you know that your doors and docking systems will be regularly serviced and inspected.

- Preventive maintenance

Included in all packages

1-4 scheduled maintenance visits per year	24/7 priority service hotline and fast response	Safety, compliance and quality control checks	Documentation reports provided on site

Expert service you can rely on

A healthy business enjoys a steady flow of goods, services and people through its entrances every day. But heavy traffic puts entrances under pressure as every component works to keep them running.

ASSA ABLOY Entrance Systems offer the industry's most complete, flexible service solutions. Because even something as robust and well-engineered as an ASSA ABLOY door or docking system needs to be serviced to stay in great working order.

Pro-active care packages

An ASSA ABLOY service agreement gives you service you can rely on. We have specialized local service technicians on call to take care of your service needs. Equipped with a wide range of spare parts and expertise, to keep your industrial doors and docking systems running.

With an ASSA ABLOY service agreement you can ensure reliable, safe and sustainable operations at every entrance under your agreement, including doors and docking systems, independent of brand.

ASSA ABLOY e-maintenance™ (optional add-on)

For an online overview of your entrance systems and history, add ASSA ABLOY e-maintenance™ to your service package for:

- Easy access to real-time data on all your doors
- Planning, order and service information
- Overview that helps you control lifecycle costs

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Every day, we help billions of people to experience a more open world.

ASSA ABLOY Entrance Systems provides solutions for efficient and safe flow of
goods and people. Our offering includes a wide range of automated
pedestrian, industrial and residential doors, loading dock equipment,
perimeter fencing and service.

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