ACCESS CONTROL
MICROSOFT ACCESS™ & SQL SERVER™ EDITIONS

SOFTWARE OVERVIEW

DSX is a robust access control system monitoring application that harnesses the power of the Windows™ desktop and server operating systems. Below is a partial list of standard features.

- Mobile Command Android™ / iOS™
- IP OnDemand
- Time Zone / Holiday Cloning
- Mobile Credentials / Readers
- Photo ID Badging
- Time and Attendance
- DVR/NVR Integration
- AES-256 Comm Encryption
- Email/Text Alarm Notification
- HazMat / Emergency Lockdown - Mobile Activated
- Redundant Hot Swap Comm Servers
- FIPS/TWIC/CAC Card Compatibility
- Integrated Lockset Management
- External Card Holder API
- Alarm Maps
- Elevator Control - braXos
- Site License - No Charge to Add Client Workstations to System
- System Growth - No Charge to Add Cards or Doors to System
- Support Contract - Available
- 24-Hour Emergency Support for DSX Dealers with No Annual Fee

SCALABLE SOFTWARE

DSX is inherently scalable to accommodate system growth from a single PC to multiple PCs and Servers. WinDSX comes standard with a Microsoft Access database engine for small systems. WinDSX-SQL is designed for medium to enterprise size solutions using Microsoft SQL Server as the database engine. Microsoft SQL Server is user supplied. Both editions have similar features and capabilities.

MOBILE COMMAND

DSX Mobile Command brings the power of the DSX Workstation to the convenience of a Smart Phone. This secure application enhances the daily operation of the DSX System. The Mobile Command feature allows the manual locking & unlocking of Doors, arming or bypassing of Alarm Points and monitoring of system events from a mobile application.

Global functions such as Incident Response as well as repetitive chores (unlocking a door or turning lights on or off) can be programmed into Command Buttons for easy activation. Commands are individually assigned and can control individual doors or entire systems. Operators can have up to 100 commands. Biometric Login is now a standard feature.
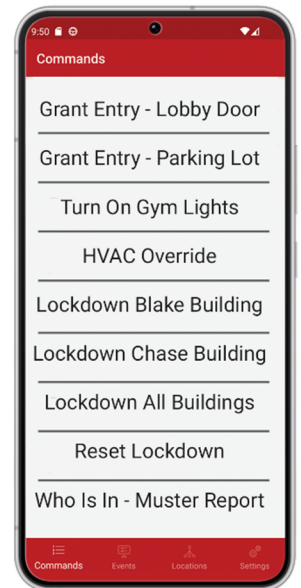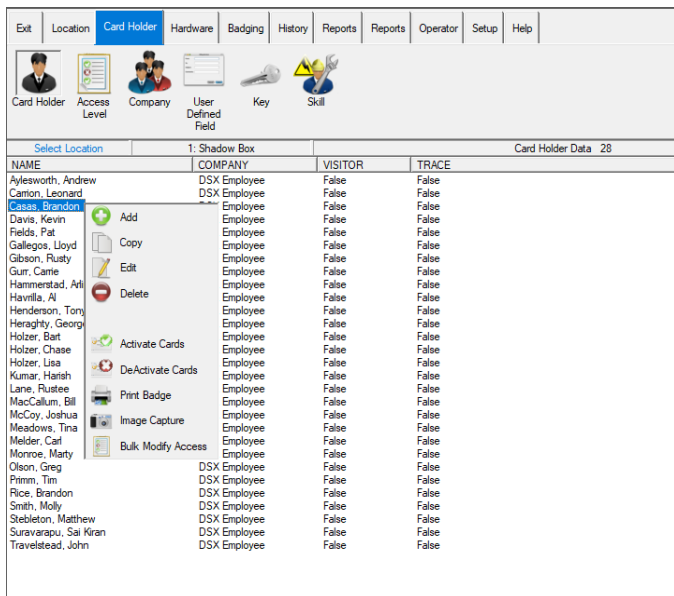
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User Interface

The User Interface of DSX has an organized & simplified approach to database management. Tabs at the top of the screen show the different categories of data and function. Select the tab of interest and you will see icons for the different items in that collection. A simple click on the data in the list window shows the commands allowed by user password.
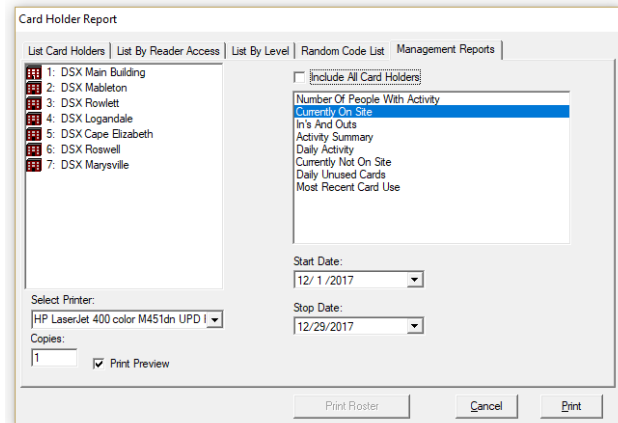

Management Reports

A variety of custom reports are available. The following commonly used reports do not require In and Out Readers

Daily Unused Cards

Reports active Cards that have not been used in "X" number of hours. This report can verify "Who is Not Here" at any time during the day. The report is presented by Location and sorted by Company. Card Holders in the report are listed by their last Card use.

Most Recent Card Use

A "Last Use" report that lists all Active Card Holders and the last place they used their Card. The report is presented by Location and sorted by Company.

Special Applications

DSX has strong linking capabilities that allow for any Card, Input, or Output in a Location to link (interlock) with any other Input, Output, or Time Zone in that Location. Linking applications are programmed under the Hardware Tab and require no additional equipment. Examples include: Emergency Lockdown · Incident Response · Access Level Control · Time Zones Control · Virtual Outputs · Manager First · Snow Days · First Man In · Two Man Rule · Man Trap

System Security

Password protection allows for operator specific capabilities to be executed at each Workstation depending on the profile assigned to the operator. AES-256 Encryption secures and safeguards passwords. AD Authentication can be used to enforce password complexity as well as the frequency that passwords must be changed.
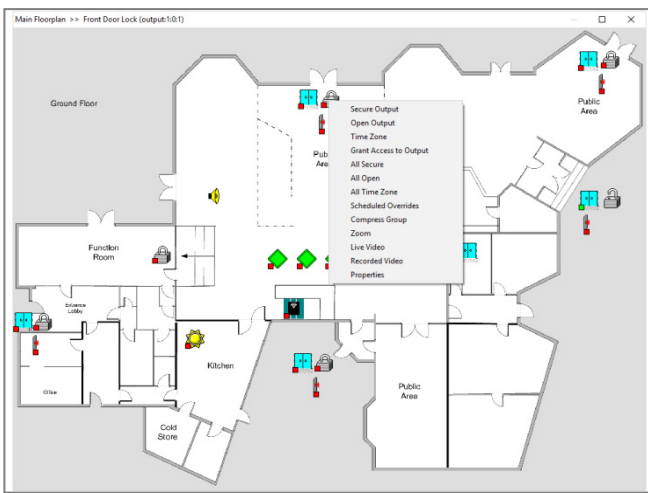
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Graphic Alarm and Control Maps

Graphic maps display the true real time status of assigned Inputs and Outputs represented by Icons. Operators can perform overrides of the Inputs, Outputs and Override Groups in real time.


Video Integration

DSX can integrate with over 20 different DVR/NVR systems and IP Cameras. This integration allows stored and live video from the DVR to be accessed within the DSX Software. All video is transmitted across a network connection. Remote Viewing Interface features vary based on the make and model of the DVR/NVR System. Compatibility available at DSX Access Systems, Inc. (dsxinc.com) An SDK is available for integration with other systems.

History Report Generation

Custom History Reports can be defined by choosing any combination of Locations, Doors, Events, and Card Holders. Reports can be as general or specific as needed. Previews are available before printing and can be sent to a local printer or any printer on the network. Numerous report configurations can be saved and run at any time. History reports can be preconfigured and automatically run up to twice each day of the week. Reports are Emailed from the Workstation where they are created.
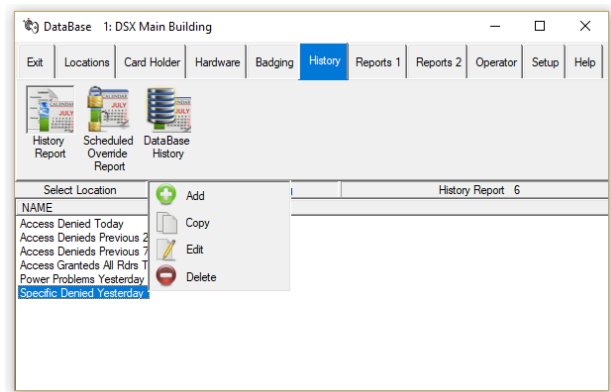
Scheduled Override / DataBase History

Located in the History Tab of DataBase, this report shows all scheduled overrides- past, present, and future as well as if they were completed. DataBase History is a simple method of viewing what has changed in the DataBase, when it was changed, and the Operator that made the changes.

PC Requirements

PC Hardware Requirements can be found on the DSX Website under Products and Software.


PHOTO ID BADGING

OVERVIEW

WinDSX offers a seamless integration of Video Imaging and Photo ID Badging with the Access Control System. Photo ID Badges can be created for employees and visitors within the Software. This feature allows images to be imported or captured from a live video feed from a high-resolution USB connected camera. These images can be edited within the software. A shared database allows for integration of Card Holder information onto the Cards. Information including Card Holder data and information from any of the 99 User Defined Fields in the database may be used on the Badge.

Badge Templates are created using drag and drop tools in a WHYSIWYG (what you see is what you get) format. Transparent backgrounds, image ghosting, text centering, text shrink to fit, etc. are all part of the WInDSX Software. Unlimited Badge Templates can be created for unique departments or user groups within the system. Print Preview allows last minute adjustments to an assembled badge before printing.
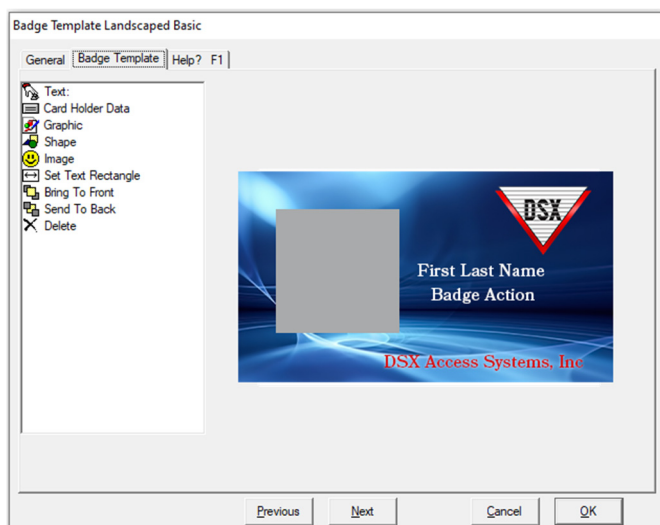
DSX BADGE SYSTEM FEATURES

Digital Camera Pan & Zoom
Batch Card Printing
Image / Signature Importing
Live Image Capture - USB Webcam
No Features Key Required
Transparent Backgrounds
Image Ghosting
Multiple Images for each Person
Image Cropping and Editing
Auto Image Editing
Rotate Text & Barcodes
Encode Magstripe Track 1,2 &3 w/equipped printer
Generates 3 or 9, 2 of 5, 43 and 128 Barcodes
Single- or Double-Sided Badges
CR-80 to CR-100
Color and/or Black and White Badges
Text Centering / Shrink to Fit Text & Data Fields
Bring to Front / Send to Back Layering
Right Alignment / Text Underlining
Font & Text Color Selection for each Printed Field

DSX CAMERA SPECIFICATIONS

Motorized Pan, Tilt & Zoom
Full HD 1080p Camera & Remote Control
10-foot Range Remote Control
Carl Zeiss Optics with 9-point Auto Focus
USB 2.0 Compliant 8-foot USB Cable
8-foot Universal Power Adapter

PRINTERS

DSX prints to any Windows™ compatible paper stock or Direct Card Printer such as HID and Zebra.

SOFTWARE
SPECIFICATIONS & FEATURES

SYSTEM SPECIFICATIONS

32,000 Locations
128 Doors / Readers per Location
50,000 Access Codes per Location
32,000 Time Zones with 3 Holiday Overrides Each
32,000 Access Levels
32,000 Inputs / 32,000 Outputs
32,000 Companies
32,000 Holidays
99 User Defined Fields for each Card Holder
32,000 System Operators & 32,000 Profiles
32,000 ASCII Output Messages
999 Operator Comments
32,000 Graphic Alarm Maps
32,000 Custom Action Messages
Import Graphic Alarm Maps (21 file types)
275+ Card Formats and Mobile Credentials
FIPS/TWIC Card Compatibility (up to 17 Digits)
Integral Photo ID Badging
Time and Attendance
Guard Tour / Visitor Management
DVR/NVR Integration
Auto Incremental Downloads (changes only)
Floor Select Elevator Control & Reporting
High Level Elevator Control with BraXos
After Hours HVAC Zone Control
Location wide Input / Output Linking
Location wide Code to Input / Output Linking
4 Zone Anti-Passback (Hard, Soft & Timed)
Integral Database Backup System - Access Only
Integral Custom Report Generator with Previewing
Schedule Automatic History Reports / Email SMTP
"Who is In" Input / Mobile App Activated via Email
Card Holder "Photo Roster" Report
Code Tracing (Reader & User Selectable)
Regional Time Zone Aware
Operator Audit Trail
TCP/IP Communications, USB, IP OnDemand

Limit of Card Uses 1-10,000
Card Disable Reader
Threat Level Management
Mobile Smart Phone Application
Auto / Manual Image Recall
Workstation Event Filtering
Global Access Level Manager
Unlimited Access Levels per Card Holder
Date Controlled Temporary Access Levels
Card Use It or Lose It - Automatic Deactivation
Precision Start Times / Dates for Card Activation
Precision Stop Times / Dates for Card De-Activation
Multiple De-Activate Dates for Cards
Card Holder Biometric Enrollment Export
Embedded Hot Links in Action Messages
Scheduled Overrides with Multiple Dates per
Time Zones Controlled with Linking Logic
Hot-Swap Backup Communications Server (SQL)
Hidden & Predefined User Defined Fields
Alarm Email Notification / Text Messaging
Comm Server (CS.exe) can run as a Service
Bulk Modification to Card Holder Access Levels
AES Encryption from Comm Server to Controllers
AES Encryption from Comm Server to Workstations
AES Encryption for DSX Passwords
AD Authentication for Operator Login
Startup Map (always displayed)
Custom Map Sizes

DSX L-85 SOFTWARE & INTEGRATED LOCKSETS

Schlage - AD Series Wireless/Hardwired Locksets
Schlage - NDE & LE Wireless Locksets
DSX L-85 supports LAN and USB Communications
to Locksets. Features Supported: Standard, Curfew,
Classroom/Storeroom, Office, Privacy & Apartment.

DSX-Core Browser Enabled Appliance

Access Control Software Ready to Use

No PC / No Software to Load.

Powered and connected to the Master Controller, connect to your network and you are ready to program with a browser. Locations can be defined, secured and usable within minutes for temporary or permanent applications.

Perfect solution for Locations or buildings of larger systems to be separated and sold. The DSX-LAN module at the location is removed and replaced with the DSX-Core.
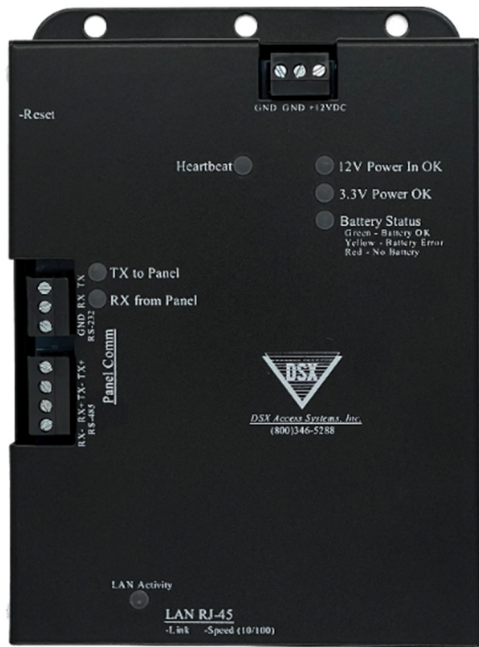
- TLS Security
- Embedded Software
- System Interface for 1 - 32 Doors
- Real Time Workstation Screen
- Email Notifications
- Alarm Reporting
- Time Zone control of Readers and Keypads
- Compatible with all DSX Controllers
- Card + and Card or PIN
- 26, 32, 33, 35, 37, 40, 48, Bit Formats
- FIPS/CAC 75/200 Bit Card Formats
- Built In Reports including Who-Is-In
- Includes Anti-Passback, Number of Uses & Linking
- RS-232 / RS485 / IP ready for any DSX Controller
- 12VDC Powered

Processor	ST32M Arm Cortex-M7
RAM/ROM Memory	Flash ROM 2M Standard RAM 1M / Extended RAM 128M / SD Card 8G
Communication Ports	1- RS-232 – Master to Core 1- RS-485 – Master to Core
Power Requirements	13.5 VDC @ 400ma Lithium-ion Internal Backup
Access Controlled Entry Points	1 – 32 Doors Readers and/or Keypads

DSX Access Systems, Inc.

Security Professionals' First Choice