



WinDSX®

Microsoft Access™ and SQL Server™ Editions

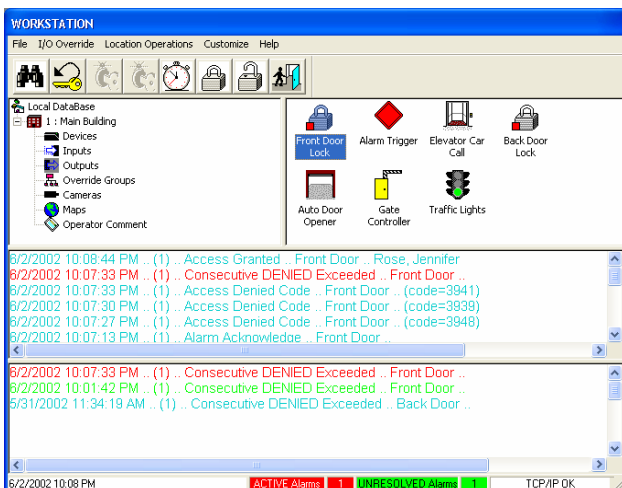
WinDSX is a true 32-bit access control application that harnesses the power of the Windows 2000/XP/Vista™ operating systems. WinDSX combines point monitoring and control with Integral Photo ID Badging, Guard Tour, Time and Attendance, Alarm Graphics, DVR Integration, Elevator Control and Alarm Email Notification and more.

WinDSX can support your access control needs from a single PC or multi-user Local Area Network to an enterprise solution with SQL Server as the database engine. The system utilizes TCP/IP network communications to provide user interaction and real time monitoring to the workstation PC's located anywhere on the LAN or WAN. The software is password protected to allow for operator specific capabilities at each workstation.

There are two Editions of Software. WinDSX comes standard with a Microsoft Access database engine. WinDSX SQL is designed to work with Microsoft SQL Server as the database engine. Both editions of WinDSX have the same features and capabilities. Microsoft SQL Server is user supplied and not purchased from DSX.

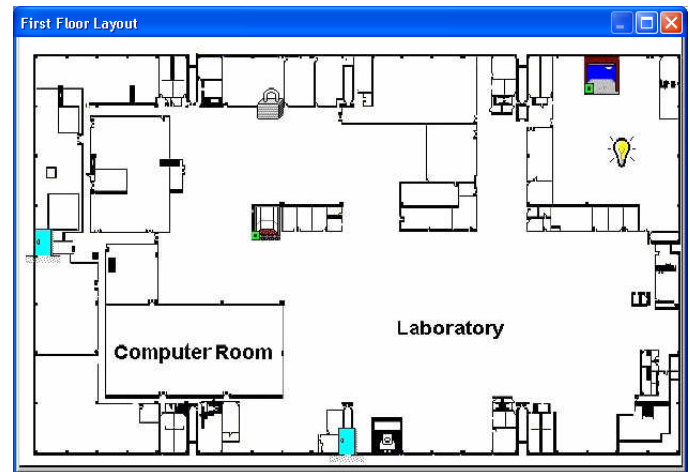
WinDSX implements Point and Click operation with hierarchical tree views and pop up menus for ease of use. I/O monitoring and control is achieved through animated icons that depict the real time status of each input or output. I/O points can also be assigned to an Override Group to allow for multiple inputs and outputs to be monitored and controlled from a single icon.

Scheduled Overrides can be assigned to individual Inputs and Outputs as well as Override Groups. These schedules allow operators to quickly assign time and date sensitive instructions determining the open/secure status of outputs and the armed state of inputs.



Workstation Desktop

Graphic alarm maps can be configured to provide detailed information about any I/O point in the system. The graphic map displays the true real time status of each I/O point and allows the operator to perform manual overrides of the inputs and outputs directly from the map.



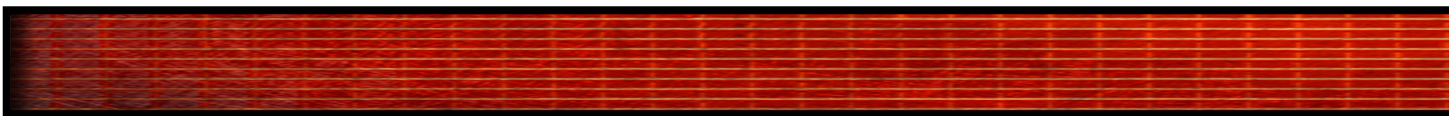
Graphic Alarm Maps

Cameras can be controlled with standard pan/tilt and zoom functions when the system is connected to a matrix type switcher. WinDSX now has the ability to integrate with different Digital Video Recorders. This integration allows stored and live video from the DVR to be accessed within the WinDSX software. All video is transmitted across a LAN connection.

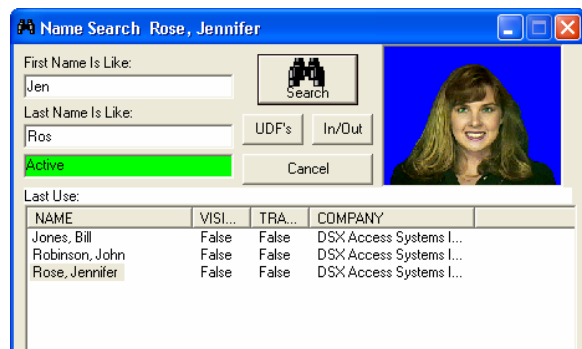
WinDSX flexible linking capabilities allow for any card, input or output in a location (interlock) with any other input or output in that location. Complicated applications such as mantraps are simply a matter of programming and require no additional equipment. This allows for custom solutions such as floor select elevator control and automatic handicap doors.

Custom History reports can be defined choosing any combination of locations, doors, events, and cardholders providing as general or specific a report as needed. The reports can be previewed before printing and can be sent to a local printer or any printer on the LAN. Report configurations can be saved and run at any time. History reports can be preconfigured and automatically run up to twice a day each day of the week and even Emailed from the workstation they were created on.

With the new Global Access Level Manager an unlimited number of temporary and permanent access levels can be assigned to card holders. These Access Levels now span across grouped locations. Temporary Access Levels are date controlled.



The Card Holder Name Search window is available by clicking on the Binocular Icon button in the top left corner of the Workstation Program. It can be used to Search for a Card Holder by Name, or a more in depth search can be made. Full or partial spelling can be used in the search. The results of the Name Search are displayed here along with their current In/Out Status, location of last card use, and other information.



Card Holder Name Search

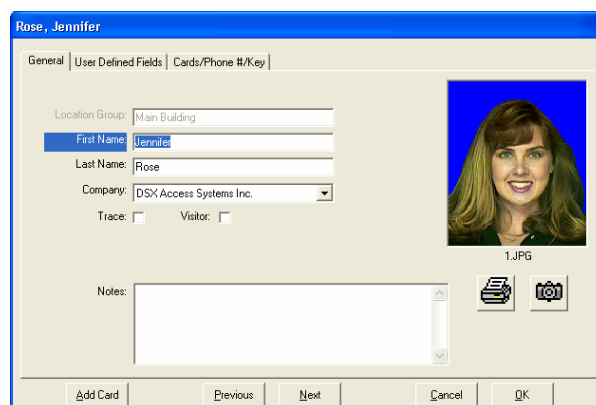
By clicking on the Search button without entering a name, a list of all cardholders is returned which can be scrolled through viewing UDFs and status of each card holder. If the In/Out button is selected the In/Out Status screen is displayed. The blue status bar at the top displays the door, date and time of the highlighted cardholder's last card use. Green indicates the card holder is "In" and Red indicates the cardholder is "Out". All Cardholders that are "In" (green) are alphabetically sorted to the top. All Cardholders that are "Out" are alphabetically sorted to the bottom. This In/Out display is updated once a minute. Left click one time on any cardholders name to refresh that person's information.



In / Out Status Screen

WinDSX is the one stop solution for Video Imaging/Photo ID Badging and Access Control applications. The WinDSX system can produce photo ID badges for employees and visitors. The system allows the user to create badge backgrounds (templates) on which digital images and card holder data is imposed when the card is printed. Video Imaging is a standard feature of the WinDSX system that is provided at no extra charge. Images can be captured with a digital camera and imported into the WinDSX system without any additional hardware or expense. If live video display and capture is desired a camera with a live TWAIN interface can be used or with the use of a DSX Features Key a DSX digital camera can be used to capture still shots from a high resolution camera and flash connected to the Customer supplied PC.

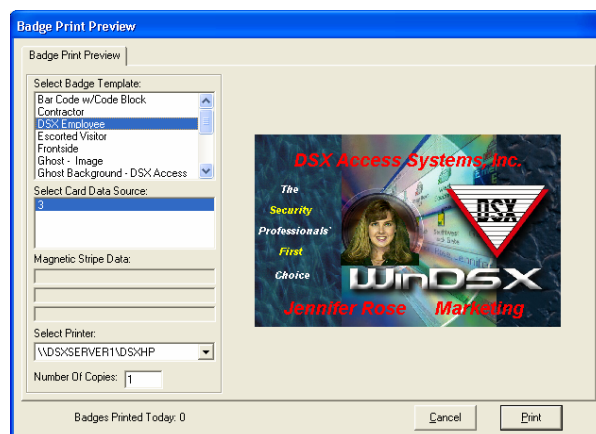
The following picture is the Card Holder data entry screen. This is where the card holder data is entered, images are imported or captured, and badge printing takes place.



Card Holder Data Entry Screen

The digital images are permanently stored on the hard disk with other cardholder data. These images can be sized, cropped, edited, and placed anywhere on any badge background. Any number of images can be stored with each cardholder, including front and side views, signatures, finger prints, etc.

Badge templates are created using "What You See Is What You Get" drag and drop tools with new features such as transparent backgrounds, image ghosting, text centering, text shrink to fit, right alignment, bring to front - send to back layering, and rotation to any degree. The ability to create unlimited badge templates allows for all departments and user groups to have unique badges. Single sided or two sided color and monochrome badges can be printed one at a time or in a batch mode.



Badge Print Preview/Edit

A print preview feature displays the assembled badge prior to printing. All images on the print preview can be zoomed in and out and adjusted from left to right for last minute changes.



WinDSX Software Specifications and Features

Microsoft Access or SQL Server Editions

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

32,000 System Operators

32,000 Password Profiles

999 Operator Comments

32,000 Graphic Alarm Maps

32,000 Custom Action Messages

Import Graphic Alarm Maps of 21 file types

225 + Card Reader, Keypad format compatibility

32,000 ASCII Output Messages

Time and Attendance

Guard Tour

Pager System Interface - ASCII / Relay Output

CCTV Interface - ASCII / Relay Output

Digital Video Recorder Integration

Auto Incremental Downloads (changes only)

Floor Select Elevator Control and Reporting

High Level Elevator Control Interface/Report

After Hours HVAC Zone Control

Global Input/Output Linking

Global Code to Input/Output Linking

4 Zone Global Anti-Passback w/Hard, Soft, and Timed

Integral Database Backup and Restoration System –Access only

Auto-Backup procedure/ Backup to any storage media

Integral Custom Report Generator w/Report Pre-viewing

Schedule Automatic History Reports / Email using SMTP

“Who Is In” One Button Report including Input Activated

Card Holder “Photo Roster” Report

Code Tracing - Reader and User selectable

Regional Time Zones for Workstations and Remote Sites

Fail Safe or Fail Secure Relay Action

Icons for Input Normal/Abnormal states

Icons for Output On/Off states

Direct, Dial-up Modem, and TCP/IP Panel Communications

DSX-LAN(M) Interface w/ Modem Backup Communications

Schedule or defer downloads

Limit Number of Card Uses 1-10,000 / Card Disable Reader

TCP/IP Network Protocol support

Integral Photo ID Badging and Photo Verification w/Image

Image Ghosting

Auto/Manual Image Recall

Workstation Event Filtering

Operator Audit Trail

Alarm Echo - Offsite Alarm Monitoring / Remote Control

Visitor Management

Multiple De-activate Dates for Cards

Auto Incrementing Badge Number

Continued....

Global Access Level Manager

Unlimited Access Levels Per Card Holder

Date Controlled Temporary Access Levels

Card Use It or Lose It automatic deactivation by Company

Precision Start Times and Dates for Card Activation

Precision Stop Times and Dates for Card De-activation

Card Holder Biometric Enrollment Export

Embedded Hot Links in Action Messages

Multiple Dates on Scheduled Override

Threat Level Management

Time Zones controlled with Linking Logic

Hot-Swap Backup Communications Server – SQL only

Hidden & Predefined User Defined Fields

Alarm Email Notification

Comm Server (CS.exe) runs as a Service

Bulk modification to Card Holder Access Levels

WinDSX Badge System Features

Electronic Camera Pan and Tilt

Batch Card Printing

Image / Signature Importing

Multiple Video Input Compatibilities

Image / Signature Capture

Transparent Backgrounds

Multiple Images for each Person

Image Cropping and Editing

Auto Image Editing

Rotate Text and BarCodes

Encode Magstripe Track 1,2,3 with equipped card printer

99 User Defined Fields

Prints to any Windows Compatible Card Printer

Manual Image Recall by Clicking on Card Read Event

Auto Image Recall by Device, up to two time zones each

Generates 3 of 9 and interleave 2 of 5 Barcodes

Single Sided or Double Sided Badges

Color and/or Black and White Badges

Text Centering

Shrink to Fit text and data fields

Right Alignment

Font and Text Color selection for each printed field

Text Underlining

WYSIWYG + XY Coordinates

File Import using Digital Camera

Import 18 different Graphic Image file formats

Resize Image and Maintain Aspect Ratio

Shapes with custom colors available

Name field concatenation

Image Ghosting

Bring to Front / Send to Back Layering

Auto Badge Template selection

Auto-Incrementing Badge Number

Card Holder Photo Roster Report

CR-80 to CR-100 Card Sizes



Video Imaging Components

DSX Features Key = USB Key for Live Image Capture
DSX CamKit = Digital Camera, Lens, Flash (integral), Tripod, and, Cables.

All components have a 1-year warranty.

Camera Specifications

Model LU176C
Image pickup device 1/2"
No. of effective pixels 1280 x1024
Frame Rate 30fps@640X480
Sensitivity Range High54db
Exposure Auto/Manual
White Balance Auto/Manual
Interface USB1or2
Lens 48dB
Operating Temperature 0 - +50C
Power supply 9VDC (power supply included)
Power consumption 500ma 2.5Watts
External dimensions 4.5"W x 2.5" H x 1.75"D
Weight 300gm camera only

Camera Features

Captures images instantly
Sharp edges and bright accurate colors
Live video preview
Auto white-balance, auto exposure
Superb sensitivity
High resolution image capture
Synchronized flash included
High speed USB 1.0 and USB 2.0 interface
Video and camera control over a single USB cable
Standard tripod mount Ruggedized aluminum enclosure

Printers

WinDSX prints to any **Windows™** compatible direct card printer.

Print Method Dye-sublimation / Resin Thermal Transfer
Resolution 300 dpi
Colors Up to 16.7 million
Print Speed 30 - 60 seconds per (printer dependant)

PC Requirements

For the complete and latest set of PC requirements see the PC Requirements document on the DSX website.

CPU Minimums

Pentium 1.6 GHz (or better) - Host PC for single PC, single location system, or LAN workstation for single location system. 256M RAM

Pentium 1.8GHz (or better) - LAN Comm Server or File Server for single location system, or workstation for multi-location system. 512M RAM

Pentium 2.4GHz (or better) - LAN Comm Server and/or combination File Server for multi-location system. 512M+ RAM - minimum

Windows™ Operating Systems

Vista Business™ compatible with Version 3.7/4.7 & higher
XP Professional™ -compatible with Version 3.5/4.5 & higher
2K Professional™ Service Pack 2 Version 3.1/4.0 & lower
2K Professional™ Service Pack 3 Version 3.5/4.5 & higher
Server 2000/2003™ -compatible w/Version 3.5/4.5 & higher
Server 2000/2003 requires the use of Active Directory.

Microsoft SQL Server™ Version 2000/2005 required only for SQL DataBase deployment and management. (Optional) WinDSX uses Microsoft Access™ and WinDSX SQL uses Microsoft SQL Server™. SQL Server sourced separately.

Memory

256M of RAM Memory - Basic System 256M minimum
512M+ recommended for multi-Location, multi-PC, Badging, LAN File Servers, and LAN Comm Servers.

Drives

One CD-ROM Drive 16x or better -WinDSX is available on CD only.

1Gigabyte Hard Disk Space or better - The basic system software when installed is approximately 50M.

Monitor

One color monitor SVGA 800 x 600 - The DSX Software is SVGA compatible. 800 x 600 or better and small fonts is preferred. 65,000 colors or better if using badging and imaging features. 17" monitor preferred but not required.

LAN

LAN Adapter Card 10/100 Mbit or better LAN card is required for LAN applications only. 100Mbit is optimum. If there is no LAN use the MS-Loopback Adapter.

Serial Port

At least one serial port is needed for either direct or dial-up modem communications. It may be necessary to use a USB to serial adapter. Belkin Components F5U109 or equivalent device is required.