



WinDSX

Microsoft Access™ and SQL Server™ Editions

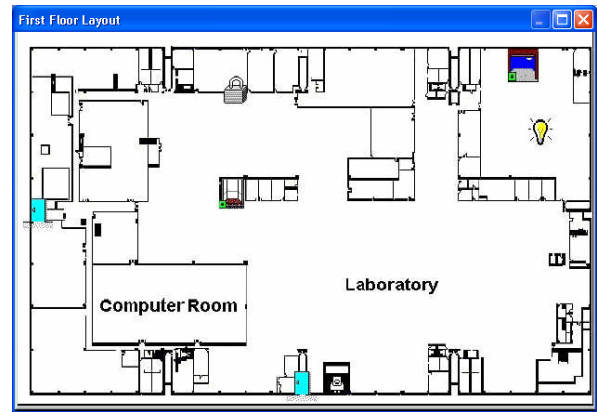
WinDSX is a true 32-bit access control application that harnesses the power of the Windows NT/2000/XP™ operating systems. WinDSX combines point monitoring and control with Integral Photo ID Badging, Guard Tour, Time and Attendance, Alarm Graphics, DVR Integration, Elevator Control and more.

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.

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.



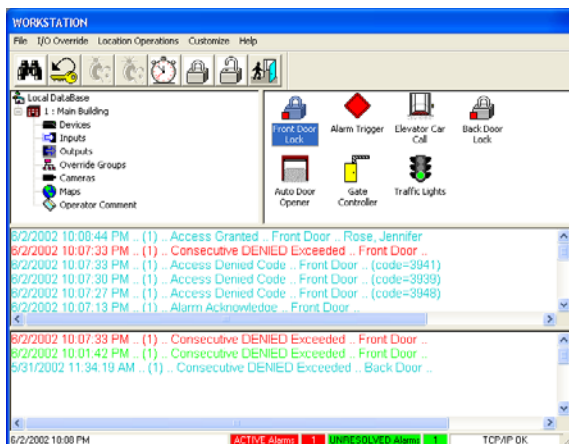
Graphic Alarm Maps

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 to link (interlock) with any other input or output in that location. Complicated applications such as man-traps 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.

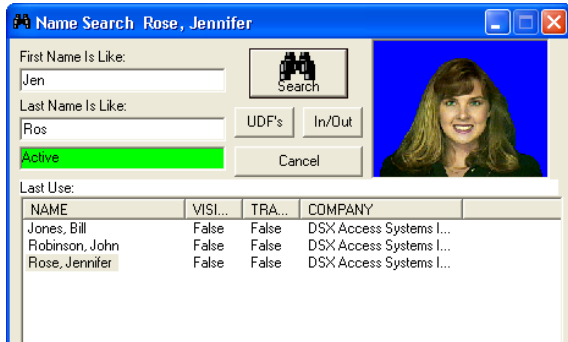
Custom History reports can be defined choosing any combination of locations, doors, events, and cardholders providing as general or specific a report as needed. The reports can be previewed before printing and can be sent to a local printer or any printer on the LAN. Report configurations can be saved 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.



Workstation Desktop

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 cardholders 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 persons information.

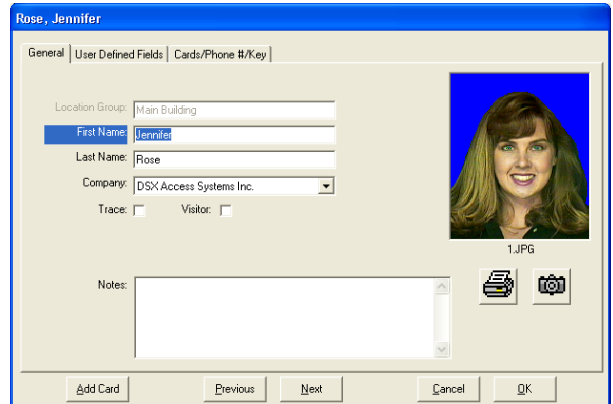


In / Out Status Screen

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 DSX Image Key must be purchased to allow the WinDSX software to display live video from any device providing an MCI or TWAIN interface. The DSX Camera Kit can be

used in conjunction with the Image Key to provide live video capture using a high resolution camera and flash on a Customer supplied PC. Alternatively the entire Badging system can be purchased from DSX preconfigured and ready to use.

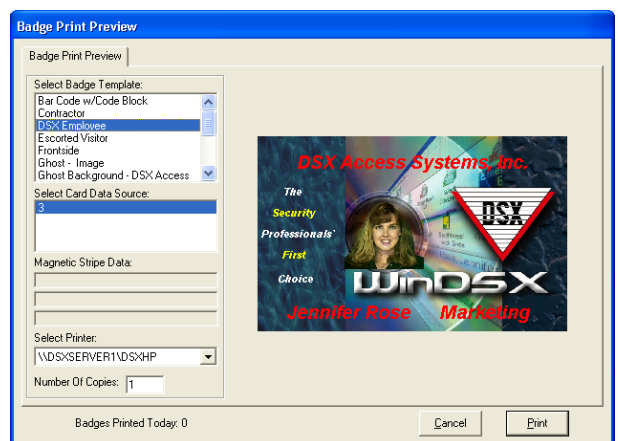
The following picture is the Card Holder data entry screen. This is where the card holder data is entered, images are imported or captured, and badge printing takes place.



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 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 NT™ Compatible Card Printer
Manual Image Recall by Clicking on Card Read Event
Auto Image Recall by Device, up to two timezones 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 16 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

Camera Specifications:

Model	VK-C370
Image pickup device	1/3" CCD (total 411,988 pix)
No. of effective pixels	768H x 494V (380,000)
Signal system	NTSC color system
Scanning system	2:1 interlace
Scanning frequency	15.734KHz(H)59.94Hz(V)
Video output	RGB
Horizontal resolution	470 TV lines or more
S/N ratio	more than 50dB
Minimum illumination	5 lux or less / f1.4
White balance	Auto / Manual
Electronic shutter	1/60 - 1/10,000 (7steps)
Closest distance	50cm
Sync. system	Internal / External
Power supply	DC12 (11-14VDC)
Power consumption	400ma
External dimensions	1.83"W x 3.0" H x 5.7"D
Weight	370gm camera only

Video Imaging Packages:

SW2	BadgeComputer System/No Printer
ImgKey	Live Image Capture Software Key
CamKit	Camera, Lens, Capture Card, Flash, Tripod, Cable
ITI-Flash Bus	Video Imaging Capture Card ITI-3045
VidCable	RGB/Composite Video Cable used with ITI-3045
Pen1500	Digital Signature Capture Pad

All components of the SW2 have a 1-year warranty. "SW2" contains Pentium PC, CamKit, ImgKey, and Software pre-configured.

PC Specification:

These are minimum PC specifications for a Badging System purchased from DSX and may vary.

Pentium IV 1 Ghz +
RAM 128M
Hard Disk 20Gig
Floppy Drive 3.5 1.44M
CD-ROM 40x
Keyboard
Mouse
Monitor SVGA 17"

Printers:

All printers are sold separately. WinDSX prints to any **Windows NT/2000/XP™** compatible direct card printer including:

Fargo-C-16	single sided Direct Card Printer
C-25	Fargo high speed dual side printer with 16M RAM
Pro-LX	same as C-25 with additional over laminate

General Printer Specifications:

Print Method	Dye-sublimation / Resin Thermal Transfer
Resolution	300 dpi
Colors	Up to 16.7 million
Print Speed	30 - 60 seconds per (printer dependant)
Card Height	2.1" to 2.6"
Card Width	3" to 3.7"
Card Thickness	.020" to .060" also accepts most .010" cards
Card Types	Cards sold by DSX
Card capacity	Up to 100 ISO 7880, 7881 PVC cards
Options	Magnetic Stripe Encoding Module, high coercivity, Tracks 1, 2, and 3

Adhesive back direct print cards are recommended when Proximity or Wiegand cards are used. These adhesive back cards will adhere directly to the standard low cost Proximity or Wiegand cards. This provides for a much lower cost end product and a re-usable Proximity or Wiegand card. Custom Holographic Overlay available.

WinDSX Software Specifications

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
Import Graphic Alarm Maps of 21 file types including AutoCad
170 + Card Reader, Keypad format compatibility
32,000 Custom Action Messages
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
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
Auto-Backup procedure/ Backup to any storage media
Integral Custom Report Generator w/Report Pre-viewing
Schedule Automatic History Reports / Email
"Who Is In" One Button Report including Input Activated 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 and Output On/Off states
Direct, Dial-up Modem, and TCP/IP Panel 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 Ghosting
Auto/Manual Image Recall
Workstation Event Filtering
Operator Audit Trail
TCP/IP Panel Communications
Alarm Echo - Offsite Alarm Monitoring / Remote Control
Visitor Management
Multiple De-activate Dates for Cards
Auto Incrementing Badge Number
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 and Stop Dates and Times for Card Activation

WinDSX PC Requirements

CPU Minimums

Pentium 650MHz (or better) - Host PC for single PC, single location system, or LAN workstation for single location system. 128M RAM

Pentium 850MHz (or better) - LAN Comm Server or File Server for single location system, or workstation for multi-location system. 256M+ RAM

Pentium 1GHz (or better) - LAN Comm Server and/or combination File Server for multi-location system. 512M+ RAM - minimum

Windows™ Operating Systems

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

NT Workstation™ Version 4.0 w Service Pack 6a

Microsoft SQL Server™ Version 7/2000 required only for SQL DataBase deployment and management. (Optional) WinDSX uses Microsoft Access™ and WinDSX SQL uses Microsoft SQL Server™. SQL Server sourced separately.

Drives

One CD-ROM Drive 6x or better -WinDSX is available on CD only.

One Floppy Drive - 3.5", 1.44M - History archives and database backups performed in WinDSX will utilize the floppy drive or other specified target.

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

Memory

128M of RAM Memory - Basic System. 128M minimum 256M+ recommended for multi-Location, multi-PC, Badging, LAN File Servers, and LAN Comm Servers.

Monitors

One color monitor SVGA 800 x 600 - The DSX Software is SVGA compatible. The program will not run in monochrome. 800 x 600 or better and small fonts is preferred.

Local Area Network

LAN Adapter Card 10Mbit or better LAN card is required for LAN applications only. 100Mbit is optimum.

Peripherals

Serial Ports - At least one serial port is needed for either direct or dial-up modem communications. It may be necessary to use a Windows NT/2000/XP™ compatible multi port board when more than two serial ports are required.

Mouse - Mouse and keyboard are required. Microsoft IntelliMouse® or equivalent recommended but not required.

Modem - DSX provided External modem only.

Audible Device

Sound Card - Windows NT/2000/XP™ and Sound Blaster™ compatible PCI Bus sound card. WinDSX supports WAV files that are played back upon alarm.

WinDSX0503.p65