



DSX Access Systems, Inc.

Centralized Monitoring

WinDSX Centralized Monitoring and Control

WinDSX was designed and engineered for the central monitoring of multiple Locations using dial-up modems, direct serial port connections, and/or TCP/IP communications. WinDSX is commonly used for applications as varied as 1 PC and 1 reader to multiple PCs and hundreds or thousands of readers. WinDSX can be used on a single PC with a single Location connected but exhibits its true power when used on a LAN controlling multiple sites, both local and remote, from a central station environment.

From a Centralized Location WinDSX can monitor and control just one or two doors at one Location using a single PC. Controllers can be added one at a time, delivering two additional doors of control to the current capacity. These scalable building blocks allow the system to be engineered simply and provide a level add-on cost which is easy to budget for. The central station side of the system can also be expanded, with the implementation of a Local Area Network and the addition of more Workstations.

This same Centralized Location can grow from managing just one Location to 32,000 Locations with each containing up to 128 reader-controlled doors. Each Location can utilize different reader/keypad technology allowing for more retrofit flexibility. In most cases the existing readers and cards can be re-used from other systems.

The system is so user friendly that most of the features are automatic and require minimal user intervention. The Dial-up Modem Locations can be automatically polled for log retrieval on a regular interval from every 10 minutes to once a week. These Locations can also be programmed to call in when their event storage buffer is at 80% capacity. Modem Locations will call in automatically when there is an alarm condition, or they are reset and require a download. IP-On Demand now allows DSX to communicate with Locations using IP but, in a fashion, like dial-up or on demand. This allows Locations using Cellular, Internet or other metered service to communicate without staying connected 24/7/365. This IP-On Demand communications style could also be used in Large Systems sharing busy networks. Some locations that are security critical could stay connected all the time while other locations with less security requirements could use IP-On Demand.

System DataBase and History can be automatically backed up each day by the Comm Server and delivered to any drive available to the system.

As database changes are made the Communication Server will automatically connect the remote Locations and download the database changes. The download can be programmed to occur immediately, delay for x number of minutes, or delay until after hours to take advantage of low traffic times.

During the database downloads and history log uploads the Comm Server can still receive alarms from the location. The operator can always acknowledge and handle alarms and control the Location inputs and outputs regardless of uploads or downloads in progress.

Each Location has its own set of data and is maintained as a separate access control system. However, you do have the option of grouping Locations together so that they share the same cardholder data. This feature is very useful for applications that need to allow the same set of people access to multiple different Locations. The cardholder data is only entered one time but is available to all Locations in the group. The card is assigned an access level that determines when and where this cardholder is valid at each Location.

With control of the Locations from the central monitoring station input and output manipulation and reporting can be managed quickly and efficiently. The operator can unlock a door or raise a gate remotely to permit entry of emergency personnel such as fire or police agencies. The system also tracks personnel in and out of the facility. Full reporting based on Location and Company to name a few can be printed or saved to a file for subscriber use.

The Workstation Program provides full visibility and control over every Door, reader, input, output, and card holder. You can see the state of all doors and control all aspects of the door. Real Time Events scroll through at the same time you have full command of the system. Input and Output Icons can also be placed on a graphic map where you will still have status and control of those points.

