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DSX Access Systems, Inc.

DSX Access Systems

DSX System Security and Integration

Security

The DSX system uses a secure communications protocol with optional AES256 encryption for heightened security. This protocol is secure and in no way "open source". Communication between field controllers and each PC the software is running on can use separate encryption passwords and meets all Federal Encryption standards. The DSX database can also use a secure SQL Server running the latest TLS1.2 security standards and AES encrypted passwords even AD authentication.

Integration

For guaranteed integrity DSX does not allow other systems to talk directly to DSX field controllers or to the system database. DSX provides an API that allows the card holder data to be manipulated externally in all the same ways possible by the DSX program. This is how most Hospitals and Universities update DSX from their own HR systems. There are virtual interfaces such as L85 and SIO that allow the DSX system to communicate with other systems. DSX is integrated with various video companies, visitor management companies, elevator control and time and attendance systems. This level of separation in the integration allows DSX to maintain the integrity of the system while allowing both DSX and the other system to continue to develop their product without the integration being compromised when either system is upgraded.