

# S2 NetBox™ Access Control

APPLICATION INFORMATION  
for Version 3.1 and later

## Feature Summary

- Built-in ODBC-compliant database for personnel data
- Integrated photo ID capability with video verification
- System-wide timed anti-passback function
- Regional anti-passback with mustering and roll call functions
- Region occupancy counting
- Dual reader and keypad support by time and threat level
- “First-in-unlock” rule enforcement
- Network-secure API for external application integration
- Multiple access cards per person
- Simultaneous support for multiple card data formats
- One-click playback of access-related video
- Elevator control
- Access privileges variable by threat level
- UL 294 and CE listed system configurations available
- Extensive and easy to use custom report generator
- Schedule portal unlock by time and threat level
- Common alarm panel integration for disarm on access
- Card format decoder quickly discovers unknown card formats
- Card enrollment by reader or keyboard
- User-defined data fields in personnel records

## Overview

The S2 NetBox™ access control system offers a full-featured, credential-based access control program running on a network appliance platform. Its architecture is fully distributed, with a complete database maintained on the S2 Network Controller (S2NC) and relevant data distributed to the S2 Network Nodes (S2NNs), assuring that the access control capability survives network outages. The ODBC-compliant database permits multiple cards per person and multiple card formats per system. The system is controlled from a common web browser requiring no software installation and no client licenses.

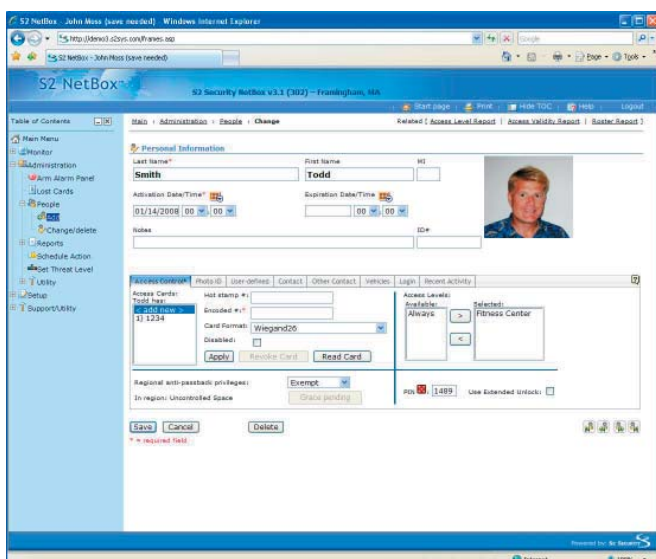
The access control facility integrates fully with the optional Identity Management Solution for ID photo capture and badge

generation as well as with the Video Management System for access transaction recording and replay. Integration with common alarm panels includes such features as system disarm on valid access by selected people and access privileges that are enabled when a building alarm system is disarmed.

Security policies and business rules can be changed based on the day of the week, time of day, holiday schedule, or instantly using the system’s threat level capability. The access privilege mechanism supports general portal and elevator access control regimes, and is integrated with threat levels and alarm panels.

Access history is stored on a compact flash (CF) card and automatically backed up nightly to NAS or via FTP. Historical queries are run from the system’s user interface using supplied reports or the extensive report writer built into the software. The data is also available online through ODBC to such applications as Crystal Reports® and Microsoft Excel® or offline through the automatically exported CSV file. Reports automatically retrieve historical data from offline storage if required.

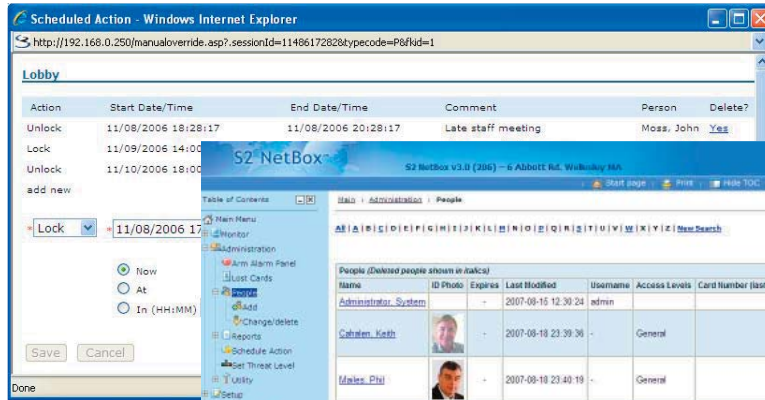
When interfacing or control through external applications is desired, the access control database can be populated using the system’s XML-based API. Both routine communication between the S2NC and S2NN and the API utilize encryption and authentication for data security.



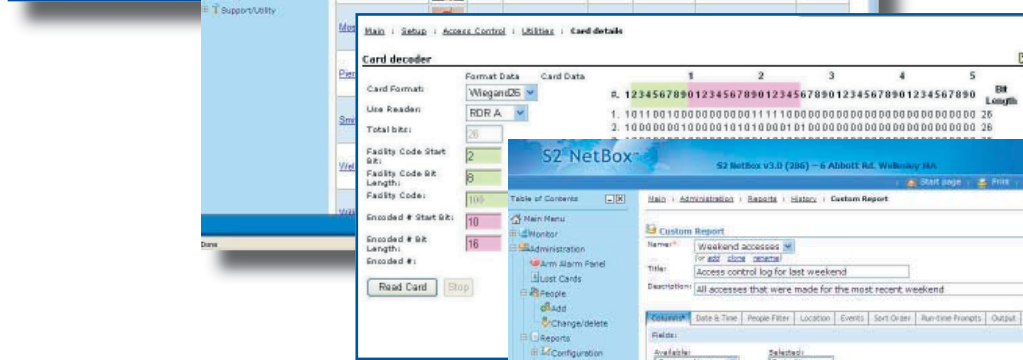
All personnel data, including ID badge production, is managed from a tabbed display in your web browser



## Access Control in detail...

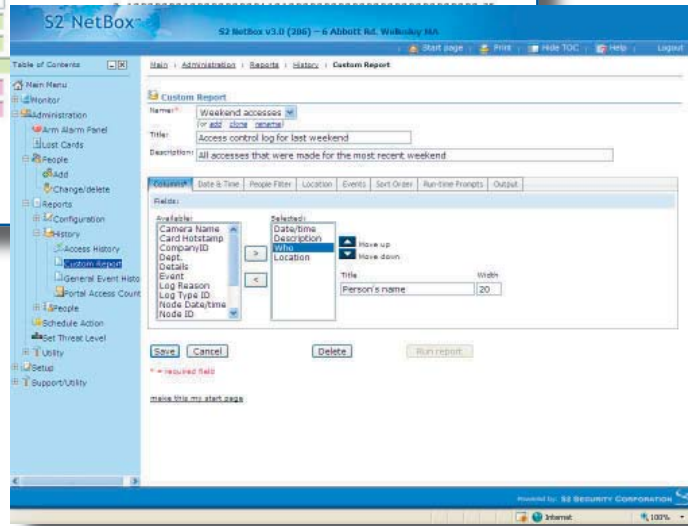


The S2 NetBox event scheduler lets users plan in advance by scheduling extended portal unlocks or temporarily suspending automatic unlocks as required.



Queries on person data fields can be used to locate matching records for ease of editing. The Roll Call report instantly lists people by their last known location for handling facility evacuations.

The built-in card format decoder simplifies determination of unknown card formats facilitating retrofits of legacy security systems.



The extensive custom report writer lets non-technical users design sophisticated reports and save them for reuse.

## Specifications

Card readers per S2 Network Node	14	Controlled floors per elevator	52
Network Nodes per Network Controller	32	Access levels per person	16
Card records per S2 Network Node	20,000	Card formats per Network Node	15
Online history transactions	up to 40,000,000	Cards per person	6
Maximum card bit length	128 bits	Access levels per Network Controller	512
Card readers per access control blade	2	Certified web browsers	MS-IE 6.0+ Firefox 1.0+ Safari (Mac/PC)
Relays per access control blade	4		

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