

Cardax FT System Interfaces

Cardax FT Command Centre supports interfaces with a range of third party security products, via Cardax FT Controller API middleware software interfaces. All Cardax FT Controller API interfaces are individually licensed, optional features and are supported on specific versions of third party software.



Pelco Endura Interface

Cardax FT supports both a viewer control and high level events and alarms interfaces with the Pelco Endura Imaging platform. The interface supports:

- Recorded DVR video to be associated with alarms in Cardax FT Command Centre
- Video viewer controls directly from the Command Centre user interface, for viewing live and stored video footage
- High level events and alarms sent from the Cardax FT Controller to the Pelco Endura system to trigger actions (e.g. a door alarm triggering a PTZ position on a Pelco Endura controlled camera)
- High level events and alarms sent from the Pelco Endura system to Cardax FT (e.g. a camera detecting motion sends an alarm through to Cardax FT)
- Live display of video in the Challenge window.

Pelco Endura Supported Version

Pelco Endura Platform API spec v1.5 & v2.0

Cardax Supported Version

Cardax FT Command Centre v6.02



DVTEL DVR Interface

Cardax FT supports a high level viewer control interface to the DVTEL Latitude DVR system, which allows:

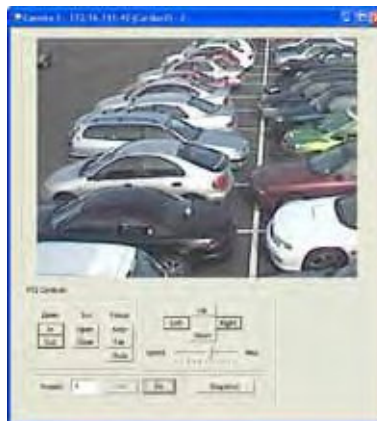
- Recorded DVR video to be associated with alarms in Command Centre
- Video viewer controls directly from the Command Centre user interface, for viewing live and stored video footage
- Live display of video in the Challenge window.

DVTEL Supported Version

DVTEL Latitude DVR v6

Cardax Supported Version

Cardax FT Command Centre v6.02

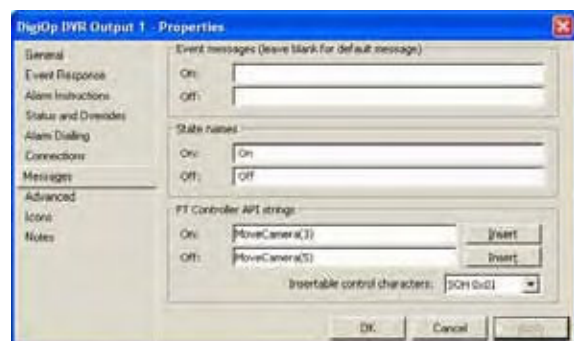


DigiOp DVR Interface

The Cardax FT Controller DigiOp DVR Interface allows installers to configure Cardax FT Command Centre to automatically send commands to a DigiOP DVR in response to events, and to receive and process events from the DigiOp DVR system.

DigiOp DVR Supported Version

Software: DigiOp Server software version 7.2.0



American Dynamics Interface - Intellex Ultra

Cardax FT support a viewer controls interface and high level events and alarms interface with the American Dynamics Intellex DVR System. The interface supports:

- Recorded DVR video to be associated with alarms in Command Centre
- Video viewer controls directly from the Command Centre user interface, for viewing live and stored video footage
- High level events and alarms sent from the Cardax FT Controller to the Intellex system to trigger actions
- High level events and alarms sent from the Intellex system to Cardax FT (e.g. a camera detecting motion sends an alarm through to Cardax FT)
- Live display of video in the Challenge window

Supported Version

Intellex Ultra v4.20.20.84

Cardax Supported Version

Cardax FT Command Centre v6.02

Dedicated Micros Interface

Cardax FT supports a viewer controls interface with the Dedicated Micros DVR system. The interface allows:

- Recorded DVR video to be associated with alarms in Cardax FT Command Centre
- Video viewer controls directly from the Cardax FT Command Centre user interface, for viewing live and stored video footage
- Live display of video in the Challenge window

Supported Version

Dedicated Micros DV-IP 04.3(32.05)

Cardax Supported Version

Cardax FT Command Centre v6.02

Schindler Miconic Elevator Interface

The Schindler Miconic System is an elevator destination control system, grouping people travelling to the same floor, thereby improving elevator system efficiency. Cardax FT Controller Centre supports an interface to the Schindler Miconic Elevator system which enables the following functionality:

- Allows Cardax readers to be used on Schindler Elevator terminals to read Cardholders and pass through information to the SchindlerID Server
- Synchronises Cardax FT Cardholders with those in the SchindlerID Server database, including the assigning of an elevator profile
- Allows an Operator to change a floor's free or secure status in SchindlerID from Command Centre (note this is not exclusive control)
- Supports interfaces to multiple SchindlerID servers from Cardax FT
- Logging of all elevator events in the Cardax FT Event Log

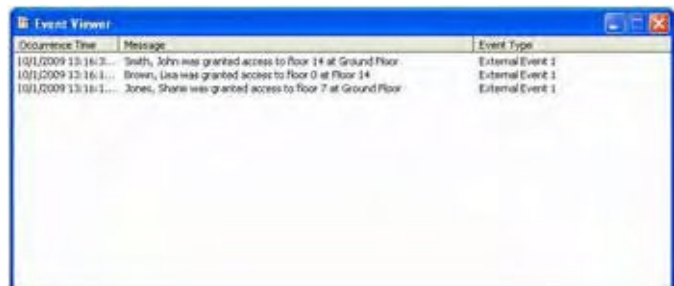
Supported Version

SchindlerID v1.1.296.1

running on Microsoft Windows XP SP3

Cardax Supported Version

Cardax FT Command Centre v6.01



Kone Polaris Elevator Interface

The Kone Polaris System is an elevator destination control system, optimizing elevator wait times and passenger flow around elevator lobbies. The Cardax FT high level TCP/IP interface to the Kone Polaris Elevator System enables the following functionality:

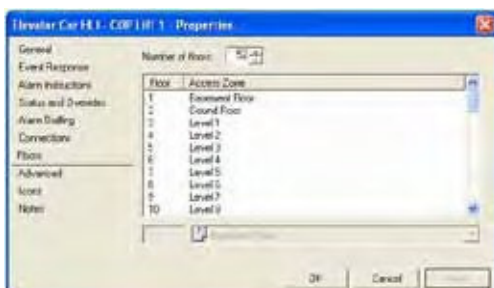
- Full control of a Cardholder's access to elevator levels from Cardax FT (e.g. access is based on a floor's secure or free status, the Cardholder's Access Group membership and card status, all managed solely from within Cardax FT)
- Use of Cardax FT cards for both door and Kone controlled elevator access control
- Logging of all elevator events in the Cardax FT Event Log

Kone Supported Version

Kone Group Controller Access Control Interface v1.5

Cardax Supported Version

Cardax FT Command Centre v6.01



Otis Compass Elevator Interface

The Otis Compass System is an elevator destination control system, optimizing elevator wait times and passenger flow around elevator lobbies. When a cardholder presents their card at a Cardax reader adjacent to an Otis Destination Entry Computer (DEC) in order to select a secure floor, a TCP/IP communications link between a Cardax FT server or workstation and an Otis Destination Entry Redirector allows access privileges allocated in Cardax FT Command Centre to be communicated instantaneously to the Otis Elevator system. A user selecting a valid floor will be directed to the appropriate elevator by the Otis DEC.

Protocol Support

Compass Security Integration Software Requirements Specification - Document # D125_SRS_CSIGeneric

Cardax Supported Version

Cardax FT Command Centre v6.02

ThyssenKrupp Elevator Interface

The ThyssenKrupp System is an elevator destination control system, optimizing elevator wait times and passenger flow around elevator lobbies. When a cardholder presents their card at a Cardax reader adjacent to a ThyssenKrupp Destination Selection Control (DSC) in order to select a secure floor, a RS232 serial communications link between a Cardax FT Controller and a ThyssenKrupp Elevator Group Controller allows access privileges allocated in Cardax FT Command Centre to be communicated instantaneously to the ThyssenKrupp Elevator system. A user selecting a valid floor will be directed to the appropriate elevator by the ThyssenKrupp DSC.

Protocol Support

Simple serial adaption of card reader systems to lift control system from TKAW version 1.0

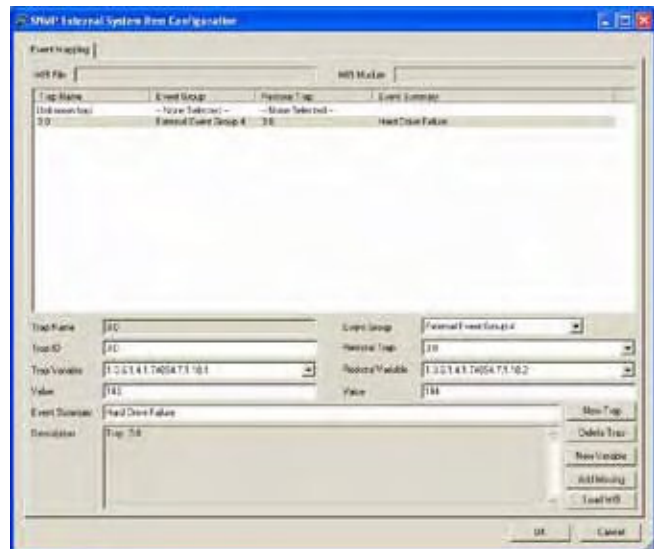
Cardax Supported Version

Cardax FT Command Centre v6.02

SNMP Interface

Simple Network Management Protocol (SNMP) is a protocol used in network management systems to monitor network-attached devices for conditions that warrant administrative attention. The Cardax FT Controller API SNMP Interface allows Cardax FT Command Centre to listen for SNMP traps from any SNMP Agent (for example, alerts from the Cardax FT Server hardware, or UPS devices). These SNMP messages are converted into events/alarms at the Cardax FT Controller for alarms management and audit purposes.

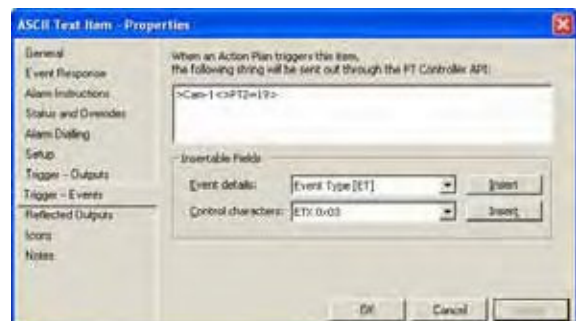
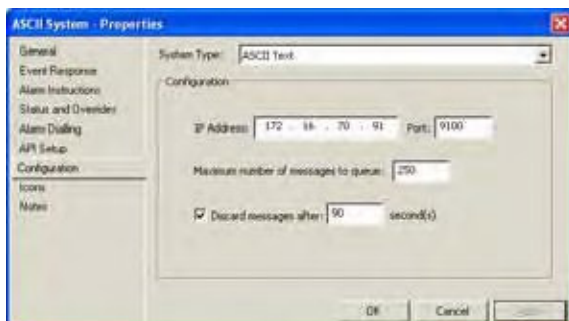
SNMP Supported Version
SNMP Version 1



ASCII Text Interface

Many external systems are capable of receiving ASCII text commands to trigger actions in their system, or notify them of external events. Common systems using this type of interface are Matrix Switches, DVR Systems, and Paging Systems etc. The Cardax FT Controller API allows the Cardax FT Controller to send out ASCII text strings in response to Cardax FT events to a third party system, such as those above.

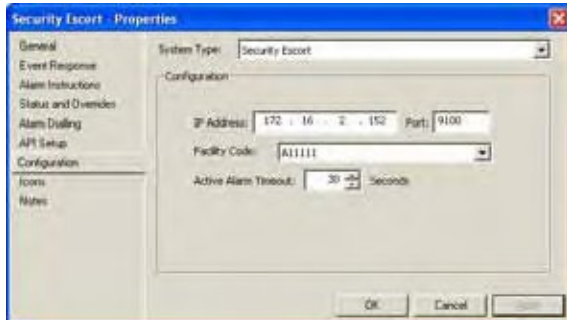
ASCII Text Supported Version
N/A



Security Escort Interface

Security Escort is a wireless help-call system, produced by Bosch Security Systems, that allows a user to signal the need for help in the event of an emergency. The system consists of a network of transmitters, receivers and transponders linked to a central computer designed to provide a means of alerting security personnel to potential personal safety problems. The Cardax FT Controller API Security Escort Interface allows these alarms, including the user's or asset's name, description and current location, to be raised within Cardax FT Command Centre. These alarms can then be responded to via Cardax FT alarms management, displayed in an appropriate location on a Cardax FT site plan, and recorded in the Cardax FT database.

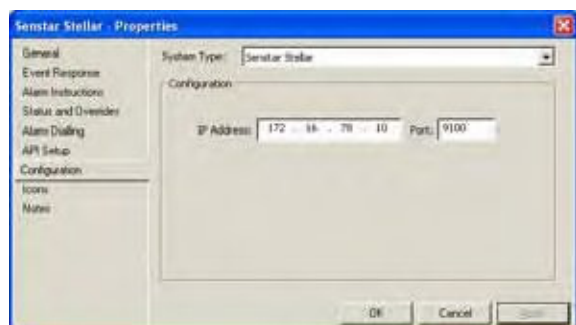
Security Escort Supported Version
Software: Security Escort Version 2.07



Senstar-Stellar – Senstar 100 Interface

Senstar-Stellar, from Magal Group, provides a range of perimeter control and detection systems. Senstar 100 is an alarm management system which displays, records and controls Senstar-Stellar's outdoor perimeter security sensors. The primary purpose of the Cardax FT Controller API Senstar 100 Interface is to transfer sensor, tamper and fail alarms from the Senstar-Stellar system to Cardax FT. These alarms are then added to the Cardax FT alarm stack and processed the same as a Cardax FT originated alarm.

Senstar-Stellar – Senstar 100 Supported Version
Software: Senstar 100 version 6.20
Senstar-Stellar Operating System: QNX version 4.25L



CIC Keysecure Interface

The CIC KeySecure system is a software package for controlling user access to keys contained within CIC C.Q.R.iT Key Cabinets. The Cardax FT Controller API CIC KeySecure Interface allows Cardax FT to be integrated with the KeySecure system, so that cardholders are prevented from exiting through a Cardax FT controlled door until all keys have been returned.

The interface allows the KeySecure system to generate external card events which are used in combination with Anti-passback in Cardax FT to control user exit. The interface also reports all key in and out events (irrespective of whether they are to be used for Anti-passback purposes), as well as errors encountered for alarms management and audit purposes.

CIC KeySecure Supported Version
KeySecure Software: V1.2.5.0



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