Overview

DNA Fusion delivers a complete and scalable access control solution for any organization ranging from the multi-campus enterprise to a single lobby entrance. DNA Fusion takes full advantage of a distributed network architecture model and open platform control panels, allowing organizations to monitor and manage several integrated systems through a single common interface.

Key Features

- ✓ Intuitive graphical interface
- ✓ InfoReady reporting system
- ✓ Advanced graphic maps
- ✓ Elevator Control up to 128 floors
- ✓ Personnel & credential management
- ✓ Photo verification on events
- ✓ Segmented database (tenants)
- ✓ Easy drag and drop throughout
- ✓ Powerful video integrations
- ✓ Anti-passback
- ✓ Photo ID production
- ✓ Triggers and Macros
- ✓ Alarm management
- ✓ Auto e-mail alarms and events
- ✓ Fully customizable interface
- ✓ Built-in web browser
- ✓ Database import/export/sync
- ✓ Open platform database
- ✓ Authentic Mercury hardware
- ✓ Wireless lock integration
- ✓ Biometric interfaces
- ✓ FIPS 201 Compliance
- ✓ Web and Mobile solutions available

Software Architecture

DNA Fusion is developed using the latest Windows technology and utilizes a combination of both native and managed technologies to maximize speed as well as productivity. DNA Fusion takes full advantage of Visual Studio's C++ and .NET tools and leverages Microsoft's remoting technologies to communicate securely across the network. Microsoft SQL Server is employed for the DNA Fusion database to permit easy connectivity, management, and synchronization across other business systems.

Fusion X

Fusion X provides a secure way to remotely manage your DNA Fusion access control system from any supported web browser.

Manage Personnel

- ✓ Add/remove access
- ✓ Set use limits
- ✓ View photos
- ✓ Activate/deactivate cards
- ✓ Trace history reporting
- ✓ Print badges
- ✓ Custom reporting

View and manage entire system hardware by site, controller, or door pages

Control Hardware

- ✓ Momentary unlock of doors
- ✓ Change reader mode
- ✓ View status of system hardware
- ✓ Control & view status of time schedules
- ✓ Trace history reportings

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PC Specifications for DNA Fusion

NOTE: The following minimum specifications are meant to serve as a baseline to configuring the DNA Fusion system and do not take into account all the variables of your system. These recommendations are based on the current release version of DNA Fusion and are subject to change without notice.

Recommended Minimum Server Specifications

Enterprise Server / SQL Server* (> 20 doors / > 5 clients)

Processor	Intel Core i5 2.8 GHz + (or equivalent, multi-core)
System Memory	8 GB
Disk Space	500 GB
Display	Support for 1024x768 or higher/512 MB VR
NIC	10/100 Ethernet
OS	Windows 2012 R2 Server, Windows Server 2016, Windows Server 2019

*SQL Server provided by customer (Supported versions 2012 through 2019)

NOTE: RAID hardware configuration and backup medium recommended for Enterprise servers.

Recommended Minimum Server Specifications

Corporate Server / SQL Express* (< 20 doors / < 5 clients)

Processor	Intel Core i5 2.8 GHz + (or equivalent)
System Memory	4 GB
Disk Space	250 GB
Display	Support for 1024x768 or higher/256 MB VRAM
NIC	10/100 Ethernet
OS	Windows 2012 R2 Server, Windows Server 2016, Windows 10 (32 and 64 bit support), Windows Server 2019

*SQL Server Express 2012 included / 10 GB database limit

IMPORTANT! DNA Fusion is NOT supported on home or mobile versions of Windows OS.

Recommended Client Specification

Client / Photo ID Client*

Processor	Intel Core i3 2.4 GHz + (or equivalent)
System Memory	4 GB
Disk Space	250 GB
Display	Support for 1024x768 or higher/512 MB VRAM
NIC	10/100 Ethernet
OS	Windows 10 (32 and 64 bit support)

*Photo ID Clients should have required ports (USB, serial, etc.) for any external capture or printing devices.

Flex API

- ✓ Add, delete, modify Personnel records and the Credentials assigned to them
- ✓ Assign, remove, modify Access Levels Groups, Access Levels, and Precision Access Levels to Credentials
- ✓ Control hardware devices and receive their state and status
- ✓ Receive Events and Alarms with Alarm management (Acknowledge, Clear, Dismiss and Dispatch Text)
- ✓ Auditing of any actions taken through the API Key

Network Requirements

- ✓ Open Options strongly recommends that all computers running DNA Fusion are connected on a Windows domain.
- ✓ DNA Fusion may be run across different domains provided a bi-direction trust is in place between domains.
- ✓ If configuring in a Windows workgroup, all computers running DNA Fusion must be members of single dedicated workgroup. This configuration is less secure than a domain.

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