touchstar
access | time | CCTV

EVOLUTION ACCESS CONTROL

ACCESS CONTROL SOFTWARE

Evolution provides a complete and integrated access control software solution that efficiently captures, monitors, and controls access rights. NSI Gold accredited, our installed systems help safeguard, monitor and optimise operations and is designed to fit companies of all sizes.

Clear, intuitive, and easy to use makes for efficient administration, with users able to manage the system remotely from any networked PC. Whether you are looking to designate complex staff access rights that match working patterns, or simply provide temporary access to visitors requiring the use of the car park, all this can be achieved with minimum time, cost, and effort.

From controlling one door to managing multi-site operations, Evolution integrates seamlessly with a wide range of the latest cutting-edge security hardware including door systems, car park barriers, gates and turnstiles from leading manufacturers such as '**ievo**', **SALTO**, **Abloy** and **FAAC**.

Perfect for companies that are looking for a fully integrated system, TouchStar's dynamic interfacing tool "**EvoLink**", works in conjunction with Evolution to support even more flexible, advanced, and futureproof access control. EvoLink can link front end software to almost any other system, from HR and Payroll through to cashless vending and other third-party systems where the same personal data is required, EvoLink provides a tailored solution, automating the transfer of access control related data to streamline operational processes, reducing associated costs and errors.

Evo-Link

EVOLUTION SOFTWARE
- .NET Architecture
- Web services
- Client/Server design
- Microsoft SQL database

FEATURES
- Badge production
- Badge design and print
- Visitor Management
- User Management
- Facilities Management
- Personnel Management
- Image capture and authentication
- Real Time Monitoring

EVOLUTION/EVOLINK COMPATIBLE INTEGRATIONS
- SALTO Access Control System
- Ievo Biometric Readers
- Third Party Hardware and Software Systems
- Fire and Intruder Alarm Systems
- Cashless Vending Systems
- Core HR/Payroll Databases

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Technical Specification

Door Controller

TEMPERATURE RANGE:
0 – 40°C

COMMUNICATION:
10/100 base Ethernet TCP/IP ,
Limited RS485.
For areas where no Ethernet is available.
Contact sales for details.

OPERATING POWER REQUIREMENT:
IP 100-240V AC 432W Max,
OP PSU 12V 4A DC Max,
OP PCB 12V 1A DC Total (must not be exceeded),
OP PCB 5V 1A DC Total.

MAXIMUM CARDS:
Evolution V2 door controller hardware, all card ID
lengths of 8 and no PIN > 64,000.

CARD TYPES:
Proximity including but not limited to;
HID including iClass, Mifare including DESFire.
Magnetic strip and BarCode.

READERS / DOORS:
Up to 2 x 5V or 12V readers,
2 x doors using a dual door controller,
Up to 4 x 5V or 12V readers,
4 x doors using a quad door controller.

INPUTS:
8 x optically isolated @ < 20mA,
1 4x4 matrix pin pad.

OUTPUTS:
8 x semiconductor 30V 500mA,
2 x volt-free relay 2A @ 30V,
14 x I/O indicators.

Software

COMMUNICATION:
10/100 base Ethernet TCP/IP.

SYSTEM REQUIREMENTS:
The application is designed for either stand-alone
operation or have a Client / Server architecture.

EVOLUTION STAND-ALONE:
Minimum: Windows Server 2012 r2,
SQL Server 2014 Standard + service pack 3.
Recommended: Windows Server 2019, SQL Server
2019 standard, SQL Management studio.

EVOLUTION CLIENT:
Minimum: Windows 10 Pro 64bit.

COMPUTER REQUIREMENTS:
Minimum Server: Dual Core Xeon, 16GB RAM,
100GB Storage, SVGA display (1024 x 768 minimum).
Recommended Server: Quad Core Xeon, 64GB RAM,
500GB Storage, SVGA display (1024 x 768 minimum).
Client: Intel i5, 8GB RAM, SVGA display
(1024 x 768 minimum).