

eds Access Control Systems

EDS Networked System

Key Features

- ▼ High Security, Multiple Users, Multiple Sites.
- ▼ Up to 500 Doors & 10,000 Users.
- ▼ Modular – Build The System *You* Need.
- ▼ Multiple PC Users & USB Desktop Reader.
- ▼ Central Programming & Reporting.
- ▼ Choice of Magstripe, Proximity or Keypad Technology.
- ▼ Hands Free & Biometric Readers.
- ▼ Distributed Intelligence Across TCP/IP PC Networks.
- ▼ Dial-Up Modem Interface for Remote Sites.



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EDS Networked System provides networked access control for all organisations from single door systems right up to multi-site installations with up to 500 doors and 10,000 users. The best features and the highest quality components have been incorporated into the design of EDS Networked System, so that **it is widely recognised as being the best access control system in its class.**

An **EDS Networked System** system has distributed intelligence which means that each control unit stores its own data relating to access permissions of users and time zones. The control units communicate with the **EDS Networked System** software, all data is synchronised and event records are passed to the PC to be stored in the database of the **EDS Networked System** software. This system functions seamlessly, regardless if the PC is attached.

The Access Control Units (ACU's) are installed adjacent to each door, together with a combined power supply with battery backup. Each ACU is located within the secure area, therefore eliminating the possibility of tampering with the control equipment or doors. Each ACU controls access to a single door at one door location, by utilising this method, it eliminates the need to purchase control equipment for many doors, when only a couple are required. The system is modular in design allowing for additional ACU's to be added when the need arises to secure more doors, by simply installing additional ACU's and wiring into the systems network, additional doors can be up and running within hours. Therefore minimising initial outlay and maximising security from day one.

EDS Networked System ACU's have "FLASH" memory, allowing instant Network wide system updates from one location, making the system "futureproof". The latest version of software can be distributed instantaneously, Networkwide.

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The system has been designed with standards in mind. Two common reader standards are supported: clock & data and Wiegand. Therefore providing integration with a wide variety of third party readers. For example, a biometric or hands free readers.

ACU's communicate via industry standard CAT5 network cable. The **EDS Networked System** system connects to a standard PC, allowing the software to communicate with the ACU's at each door, receiving event details and sending validation information.

Industry standard TCP/IP Ethernet connections, allow the PC to connect to the **EDS Networked System** network locally or remotely on a 10Mb per second Ethernet network connection.

This enables the **EDS Networked System** infrastructure to knit in seamlessly with an IT network, and allows access control communication between buildings and additional remote sites. Limited only by the customers Local Area Network (LAN) or Wide Area Network (WAN).

Where a suitable computer network does not exist, a dial-up telephone line link may be utilised, incorporating a **EDS Networked System** modem and interface device.

A desktop reader may be connected to the system to identify individual cards and keyfobs at the PC, saving keyboard data entry. This is available in dual magstripe and prox form, or as a convenient USB reader (prox only).

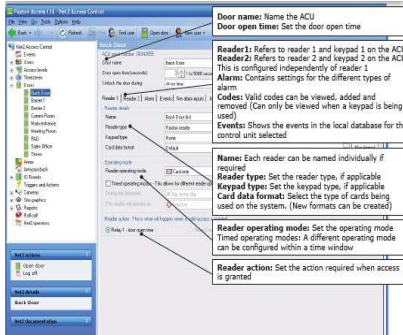
EDS Networked System Software

Key features

- ▼ **Central Reporting & Programming.**
- ▼ **Up to 10,000 Users & 500 Doors.**
- ▼ **Up to 5 Clients Can Run Software Simultaneously.**
- ▼ **PC not Constantly Needed.**
- ▼ **TCP/IP Camera Integration.**
- ▼ **Fire Alarm Integration (Professional Version Only).**
- ▼ **Roll Call & Muster (Professional Version Only).**
- ▼ **Anti-Passback (Professional Version Only).**
- ▼ **Timesheet Module (Professional Version Only).**



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EDS Networked System access control systems are controlled by software running on a Windows PC. The software has been written with simplicity and clarity in mind.

The point of networked access control is to allow programming of users' access rights and other settings without having to go to each door. Also, reports of movements and other events in the building are required. **EDS Networked System** software provides these central features where they should be - at the center of the application. The software is available in two editions: **EDS Networked System** Standard & Professional includes all of the standard features (except modem remote sites) plus areas, roll call and muster, anti-passback and timesheet.

The **EDS Networked System** software will organise and report on up to 10,000 users. They may be organised by department and identified by their card at the desktop reader.

EDS Networked System software can be used by one or many users on a PC network. However, the flexibility of **EDS Networked System** software is enhanced by the fact that the user interface and server software are separate processes, allowing the user interface to communicate with the server process over a TCP/IP network. This means that the client software may be installed on any and every PC in the organisation and up to 5 users may use the application at the same time.

The PC running the **EDS Networked System** software may be switched off when not in use for most applications. The **EDS Networked System** control units are running their own programs and databases locally at each door, a feature called 'distributed intelligence'. It means that the access permissions are retained and events are generated and memorised at the door; the door will operate normally in the case of a power cut or network disconnection. This is an essential reliability criterion for any access control specification.

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CCTV cameras can also be connected to the existing TCP/IP network, allowing integration with the **EDS Networked System** system, by allowing the user to browse to a camera from within the application. In addition, the capture of camera images alongside access control events is possible with IP cameras. This opens up fantastic possibilities for reporting: by looking at the events at a door, the person can be identified by the card that they used, but also an image of what they were carrying at the time may be viewed. (See screenshot)

EDS Networked System Timesheet is a separate application which comes with **EDS Networked System** professional software. By nominating specific ACU's with 'in' and 'out' readers, the software can keep track of employees' clocking in and out times. This information can be edited from within the application to correct missed and erroneous 'clockings'. A report may be exported as a CSV file to enable the data to be imported into a Payroll system. A continuously updating web page may be viewed across the network showing accumulated weekly hours, and last known position in the building. Clocking on and of at a PC is also available as a separate utility where time spent logged on to a PC is to be measured.

EDS Networked System Site manager is an excellent tool allowing control over a number of customers' sites centrally. Typical applications are domestic situations such as a block of flats where there is no room for the system user to place or use a PC. Some users do not have the expertise or want the trouble of administering their own system. The Site Manager module allows many databases to be stored and managed centrally, with updates and event downloads being done manually by modem or over TCP/IP, dialling the remote site over the public telephone network.

We recommend Microsoft Windows for all new installations of software. We do realise, however that other operating systems may have to be used; where an old system is being upgraded, for example. Whilst we make every effort to maintain compatibility, we cannot take responsibility for problems occurring on older operating systems.

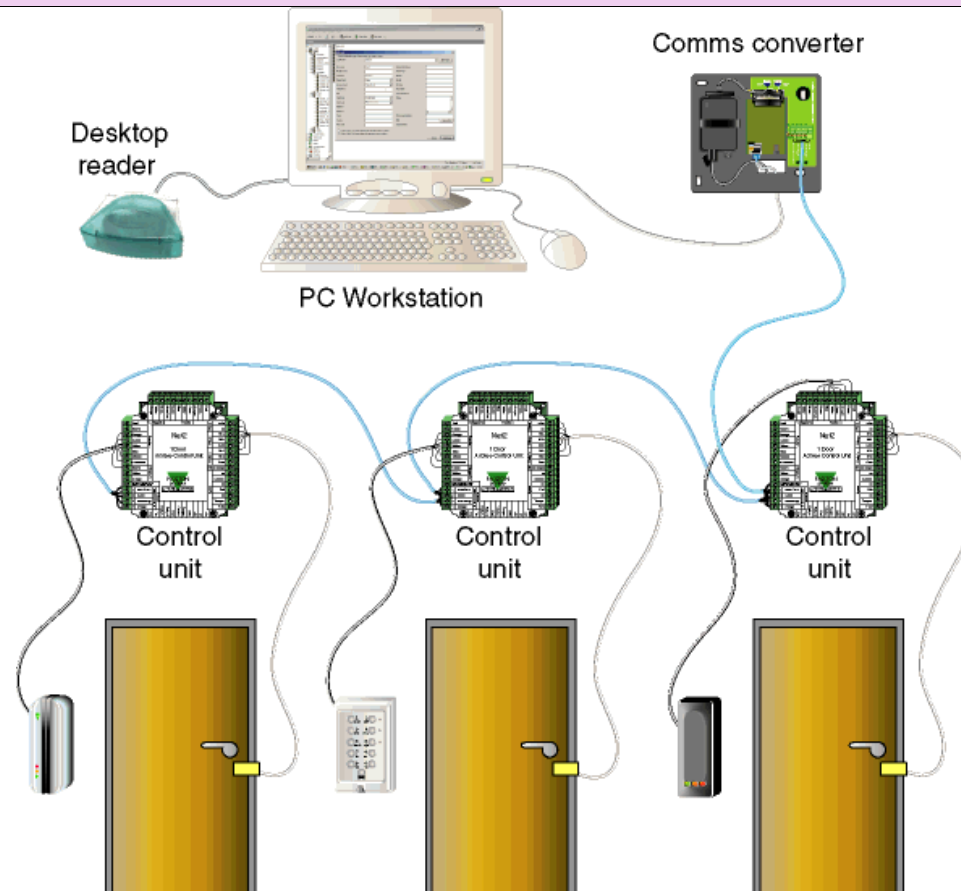
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Systems Features		
✓	User Friendly Windows Based Interface.	Utilising standard windows based software, allows the user to operate the systems, easily from day one.
✓	EDS Networked System Door Access Control Unit with Power Supply in Steel Cabinet.	The EDS Networked System Access Control Unit is mounted inside the power supply. Tamper and PSU fail signals are pre-wired into the ACU so that indications regarding these conditions will appear in the EDS Networked System software if appropriate. Battery backup facility in the event of a power failure.
✓	Third Party Readers.	Most installations are planned using a wide range of readers, for some applications, such as fingerprint, iris recognition, or hands free readers, EDS Networked System supports the connection of third party readers.
✓	EDS Networked System Comms Converter.	Connecting between the RS485 network and the PC, this interface is enclosed in a black plastic box complete with an integral 12V power supply connected to the interface board.
✓	EDS Networked System Repeater.	The EDS Networked System repeater allows an extension of the EDS Networked System RS485 network beyond the 1,000m limit. Up to 5 repeaters may be used on the network to give a maximum network length of 6,000m.
✓	Multiple Workstations.	EDS Networked System client software may be installed on an infinite number of workstations on an organisation's LAN or WAN. Up to five clients may use the software, obtaining reports and changing rights and settings at the same time.

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Technical Information

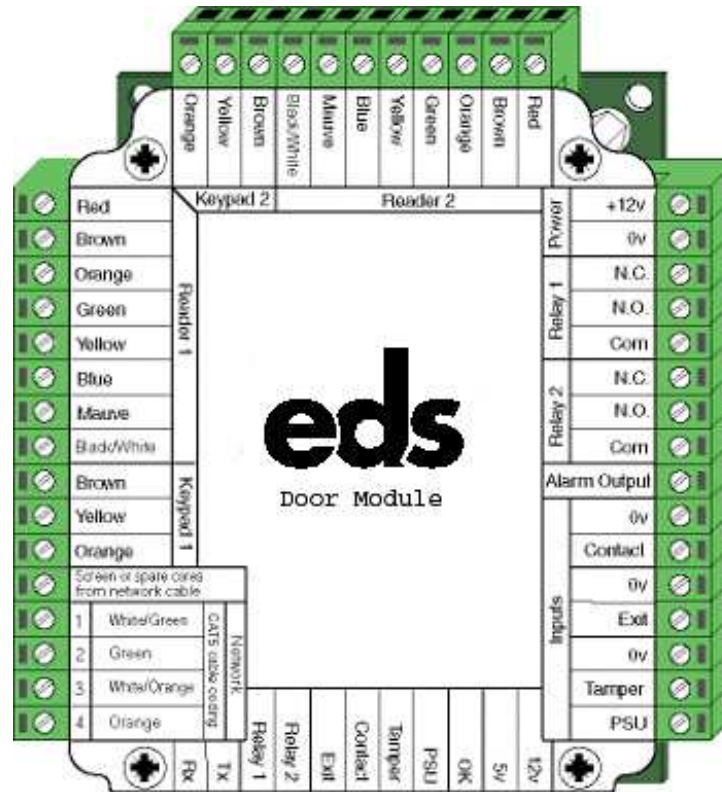


A simple EDS Networked System system illustrating the choice of reading technologies

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Modular – Start off Small & Build The System You Need.



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Product Information	
 A photograph showing a stack of white ISO cards with a magstripe and a proximity chip. One card is shown in its clear plastic sleeve, and another is shown without the sleeve, highlighting the magstripe and the proximity chip area.	<p>EDS Networked System PROXIMITY ISO cards</p> <p>These dual technology cards are encoded both for magstripe and proximity readers. Can also be used in third party systems, such as cashless vending, bar accounts, etc, etc.</p> <p>Can be overprinted with company name, users picture and details for instant recognition. A truly professional finish.</p>
 A photograph of a black cylindrical keyfob with a yellow ring. The keyfob has a circular ring at one end and a yellow band around its middle.	<p>PROXIMITY Keyfob</p> <p>A keyfob for use with the EDS Networked System system. Coloured rings visually indicates, the users level and access zones enabled.</p> <p>All cards and keyfobs may be re-encoded as many times as required.</p>

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Product Information



EDS Networked System Desktop Reader USB

This item is used to identify a card at the **EDS Networked System** computer workstation. The identification is important at the point where the card is to be issued, and also to find the owner of a lost card.

This desktop reader is the preferred choice where PROXIMITY cards or fobs are in use. It connects to the USB port of the EDS Networked System server or **EDS Networked System** client PC.



EDS Networked System Network Connection

The **EDS Networked System** Interface Connection links the PC and either a standard phone line or broadband to local or remote sites.

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Specifications - System	
Access control unit - in use	
Minimum number of doors per EDS Networked System system	1
Maximum number of doors per EDS Networked System system	5000
Minimum number of users per system	1
Maximum number of users per system	10,000
Minimum number of magstripe (swipe) or proximity readers per door	1
Maximum number of magstripe (swipe) or proximity readers per door	2
Minimum number of keypads per door	1
Maximum number of keypads per door	2
Number of ACU's per network segment	200 max
Data retention during power cut	Yes
Number of events stored	3,272 max
Number of access levels	256 max
Number of time zones	64 max
Number of individual times in time zones	2,000 max
Door open time	5,000 max
Number of keypad codes	50 max
Number of public holidays	100 max

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Specifications - Operating Systems

Windows XP/7/8/10 (all levels)	Fully compatible
Processor minimum specification	Pentium III 800MHz
Memory minimum size	4GB
Hard disk minimum free space	1Gb
Display minimum specification	800 X 600
Interfaces	Comport or Ethernet
CD-ROM drive required	Yes
Access rights (NT technology)	Administrator

Call EDS – 0870 735 5050

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